

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
CITGO Refining and Chemicals Company L.P.

AUTHORIZING THE OPERATION OF  
CITGO Corpus Christi Refinery West Plant  
Petroleum Refineries

LOCATED AT  
Nueces County, Texas  
Latitude 27° 48' 48" Longitude 97° 29' 44"  
Regulated Entity Number: RN100238799

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No:     O1420     Issuance Date: \_\_\_\_\_

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For the Commission

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## **General Terms and Conditions**

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

## **Special Terms and Conditions:**

### **Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting**

1. Permit holder shall comply with the following requirements:
  - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
  - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.
  - C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
  - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
  - E. Emission units subject to 40 CFR Part 63, Subparts CC, UUU, ZZZZ, and DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC

Chapter 113, Subchapter C, §§ 113.340, 113.780, 113.1090, and 113.1130 which incorporate the 40 CFR Part 63 Subparts by reference.

- F. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
  - (i) Title 30 TAC § 101.372 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
  - (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)
  - (iv) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)
  - (v) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit
- 2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
  - A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
  - B. Title 30 TAC § 101.3 (relating to Circumvention)
  - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
  - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
  - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
  - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
  - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
  - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
  - I. Title 30 TAC § 101.222 (relating to Demonstrations)
  - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
- 3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
  - A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity

averaged over a six minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

- (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(1)(E)
- (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
- (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:
  - (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
  - (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
  - (3) Records of all observations shall be maintained.
  - (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet

prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
  - (2) Records of all observations shall be maintained.

- (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (4) Compliance Certification:
- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
- (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

- (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
  - (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
  - (4) Compliance Certification:
    - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
    - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).



- F. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- G. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
  - (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
  - (ii) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)
  - (iii) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)
  - (iv) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)
- 4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(b)(1).
- 5. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
  - A. When filling gasoline storage vessels with a nominal capacity greater than 1,000 gallons (Stage I) at motor vehicle fuel dispensing facilities, which have dispensed less than 100,000 gallons of gasoline in any calendar month after October 31, 2014, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:
    - (i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors
    - (ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)
    - (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors
    - (iv) Title 30 TAC § 115.226(2)(B) (relating to Recordkeeping Requirements)
- 6. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter D requirements:
  - A. Title 30 TAC § 115.312(b)(1) (relating to Control Requirements), for emissions during Process Unit Shutdown or Turnaround

7. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
  - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
  - B. Title 40 CFR § 60.8 (relating to Performance Tests)
  - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
  - D. Title 40 CFR § 60.12 (relating to Circumvention)
  - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
  - F. Title 40 CFR § 60.14 (relating to Modification)
  - G. Title 40 CFR § 60.15 (relating to Reconstruction)
  - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
8. For petroleum refinery facilities subject to 40 CFR Part 60, Subpart QQQ, the permit holder shall comply with the following requirements:
  - A. Title 40 CFR § 60.692-1(a) - (c) (relating to Standards: General)
  - B. Title 40 CFR § 60.692-2(a) - (c), (e) (relating to Standards: Individual Drain Systems)
  - C. Title 40 CFR § 60.692-6(a) - (b) (relating to Standards: Delay of Repair)
  - D. Title 40 CFR § 60.692-7(a) - (b) (relating to Standards: Delay of Compliance)
  - E. Title 40 CFR § 60.693-1(a) - (d), (e)(1) - (3) (relating to Alternative Standards for Individual Drain Systems)
  - F. Title 40 CFR § 60.697(a), (b)(1) - (3) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems
  - G. Title 40 CFR § 60.697(f)(1) - (2), (g) (relating to Recordkeeping Requirements), as applicable to Individual Drain Systems
  - H. Title 40 CFR § 60.697(h) (relating to Recordkeeping Requirements), as applicable to excluded Stormwater Sewer Systems
  - I. Title 40 CFR § 60.697(i) (relating to Recordkeeping Requirements), as applicable to excluded Ancillary Equipment
  - J. Title 40 CFR § 60.697(j) (relating to Recordkeeping Requirements), as applicable to excluded Non-contact Cooling Water Systems
  - K. Title 40 CFR § 60.698(a), and (b)(1) (relating to Reporting Requirements), as applicable to Individual Drain Systems
  - L. Title 40 CFR § 60.698(c) (relating to Reporting Requirements), for water seal breaches in Drain Systems

- M. Title 40 CFR § 60.698(e) (relating to Reporting Requirements), as applicable to Individual Drain Systems
9. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:
- A. Title 40 CFR § 61.05 (relating to Prohibited Activities)
  - B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)
  - C. Title 40 CFR § 61.09 (relating to Notification of Start-up)
  - D. Title 40 CFR § 61.10 (relating to Source Reporting and Request Waiver)
  - E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
  - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
  - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
  - H. Title 40 CFR § 61.15 (relating to Modification)
  - I. Title 40 CFR § 61.19 (relating to Circumvention)
10. For facilities where total annual benzene quantity from waste is greater than or equal to 10 megagrams per year and subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.342(c)(1)(i) - (iii) (relating to Standards: General)
  - B. Title 40 CFR § 61.342(e)(1) (relating to Standards: General)
  - C. Title 40 CFR § 61.342(e)(2)(i) - (ii) (relating to Standards: General)
  - D. Title 40 CFR § 61.342(g) (relating to Standards: General)
  - E. Title 40 CFR § 61.350(a) and (b) (relating to Standards: Delay of Repair)
  - F. Title 40 CFR § 61.355(a)(1)(iii), (a)(2), (a)(6), (b), and (c)(1) - (3) (relating to Test Methods, Procedures, and Compliance Provisions)
  - G. Title 40 CFR § 61.355(k)(1) - (6), and (7)(i) - (iv) (relating to Test Methods, Procedures, and Compliance Provisions), for calculation procedures
  - H. Title 40 CFR § 61.356(a) (relating to Recordkeeping Requirements)
  - I. Title 40 CFR § 61.356(b), and (b)(1) (relating to Recordkeeping Requirements)
  - J. Title 40 CFR § 61.356(b)(4) (relating to Recordkeeping Requirements)
  - K. Title 40 CFR § 61.356(b)(5) (relating to Recordkeeping Requirements)
  - L. Title 40 CFR § 61.357(a), (d)(1), (d)(2) (d)(6) and (d)(8) (relating to Reporting Requirements)

- M. Title 40 CFR § 61.357(d)(5) (relating to Reporting Requirements)
  - N. Waste generated by remediation activities at these facilities are subject to the requirements identified under 40 CFR § 61.342 for treatment and management of waste
11. For facilities with containers subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.345(a)(1) - (3), (b), and (c) (relating to Standards: Containers)
  - B. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
  - C. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
  - D. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
12. For facilities with individual drain systems subject to emission standards in 40 CFR Part 61, Subpart FF, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 61.346(a)(1)(i)(A), (B), (ii), (2), and (3) (relating to Standards: Individual Drain Systems)
  - B. Title 40 CFR § 61.346(b)(1), (2), (2)(i), (3), (4)(i) - (iv), and (5) (relating to Standards: Individual Drain Systems)
  - C. Title 40 CFR § 61.346(b)(2)(ii)(A) (relating to Standards: Individual Drain Systems), for junction boxes
  - D. Title 40 CFR § 61.346(b)(2)(ii)(B) (relating to Standards: Individual Drain Systems), for junction boxes
  - E. Title 40 CFR § 61.355(h) (relating to Test Methods, Procedures and Compliance Provisions)
  - F. Title 40 CFR § 61.356(g) (relating to Recordkeeping Requirements)
  - G. Title 40 CFR § 61.356(h) (relating to Recordkeeping Requirements)
13. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
14. For sources subject to emission standards in 40 CFR Part 63, Subpart CC, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.340 incorporated by reference):
- A. Title 40 CFR § 63.640(l)(3) - (4) (relating to Applicability and Designation of Affected Source), for units and equipment added to an existing source
  - B. Title 40 CFR § 63.640(m)(1) - (2) (relating to Applicability and Designation of Affected Source), for units and emission points changing from Group 2 to Group 1 status
  - C. Title 40 CFR § 63.642(c) (relating to General Standards), for applicability of the General Provisions of Subpart A

- D. Title 40 CFR § 63.642(e) (relating to General Standards), for recordkeeping
  - E. Title 40 CFR § 63.642(f) (relating to General Standards), for reporting
  - F. Group 1 process wastewater streams not managed in a wastewater management unit subject to 40 CFR Part 63, Subpart G shall comply with 40 CFR Part 61, Subpart FF as specified in 40 CFR §§ 63.647(a) - (c) and 63.655(a)
15. The permit holder shall comply with the requirement to prepare and implement an Operations and Maintenance plan in accordance with 40 CFR Part 63, Subpart UUU, § 63.1574(f) (Title 30 TAC Chapter 113, Subchapter C, § 113.780 incorporated by reference).
  16. For site remediation projects subject to 40 CFR Part 63, Subpart GGGGG that will remove remediation material containing less than 1 megagram per year of the HAP listed in Table 1 to Subpart GGGGG, the permit holder shall comply with 40 CFR § 63.7881(c)(1) - (3) (Title 30 TAC Chapter 113, Subchapter C, § 113.1160 incorporated by reference).
  17. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

#### **Additional Monitoring Requirements**

18. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached "CAM Summary" upon issuance of the permit. In addition, the permit holder shall comply with the following:
  - A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).
  - B. The permit holder shall report, consistent with the averaging time identified in the "CAM Summary," deviations as defined by the deviation limit in the "CAM Summary." Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).
  - C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "CAM Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).
  - D. The permit holder shall operate the monitoring, identified in the attached "CAM Summary," in accordance with the provisions of 40 CFR § 64.7.

- E. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.
19. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time or minimum frequency specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

### **New Source Review Authorization Requirements**

20. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
- A. Are incorporated by reference into this permit as applicable requirements
  - B. Shall be located with this operating permit
  - C. Are not eligible for a permit shield
21. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
22. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

### **Compliance Requirements**

23. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

24. Use of Discrete Emission Credits to comply with the applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) If applicable, offsets for Title 30 TAC Chapter 116
    - (iv) Temporarily exceed state NSR permit allowables
  - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
    - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
    - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
    - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
    - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

### **Risk Management Plan**

25. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

### **Protection of Stratospheric Ozone**

26. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:
- A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

### **Alternative Requirements**

27. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from the EPA Administrator and TCEQ Executive Director, demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

### **Permit Location**

28. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

### **Permit Shield (30 TAC § 122.148)**

29. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.



## **Attachments**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**Permit Shield**

**New Source Review Authorization References**

**Alternative Requirement**

### **Applicable Requirements Summary**

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Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
090-P-02A	SRIC Engines	N/A	63ZZZZ- FPENG01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
090-P-02B	SRIC Engines	N/A	63ZZZZ- FPENG01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
090-P-02C	SRIC Engines	N/A	63ZZZZ- FPENG01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
091-P-001	SRIC Engines	N/A	63ZZZZ- FPENG01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
091-P-100	SRIC Engines	N/A	63ZZZZ- FPENG01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
503-UD6	Fugitive Emission Units	N/A	R5322-DOCK6	30 TAC Chapter 115, Fugitives Pet Ref B Counties	No changing attributes.
503-UD6	Fugitive Emission Units	N/A	63CCVV-DOCK6	40 CFR Part 63, Subpart CC	No changing attributes.
517-S14	Fugitive Emission Units	N/A	R5322-ALL	30 TAC Chapter 115, Fugitives Pet Ref B Counties	No changing attributes.
517-S14	Fugitive Emission Units	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
521-FUG	Fugitive Emission Units	N/A	R5322-ALL	30 TAC Chapter 115, Fugitives Pet Ref B Counties	No changing attributes.
521-FUG	Fugitive Emission Units	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
521-H1	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
521-P-067	SRIC Engines	N/A	60IIII-FPENG01	40 CFR Part 60, Subpart IIII	No changing attributes.
521-P-067	SRIC Engines	N/A	63ZZZZ- FPENG02	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
521-TK0001	Storage Tanks/Vessels	N/A	63CC-TK01	40 CFR Part 63, Subpart CC	No changing attributes.
521-TK0008	Storage Tanks/Vessels	N/A	63CC-TK01	40 CFR Part 63, Subpart CC	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
521-TKFRAC	Storage Tanks/Vessels	N/A	63CC-TK01	40 CFR Part 63, Subpart CC	No changing attributes.
525/526FUG	Fugitive Emission Units	N/A	R5322-ALL	30 TAC Chapter 115, Fugitives Pet Ref B Counties	No changing attributes.
525/526FUG	Fugitive Emission Units	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	No changing attributes.
525-V5A12	Emission Points/Stationary Vents/Process Vents	N/A	115-VENT01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
525-V5A8	Emission Points/Stationary Vents/Process Vents	N/A	115-VENT01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
525-V5B12	Emission Points/Stationary Vents/Process Vents	N/A	115-VENT01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
525-V5B8	Emission Points/Stationary Vents/Process Vents	N/A	115-VENT01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
525-V-8	Emission Points/Stationary Vents/Process Vents	N/A	115-VENT04	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
525-V-8	Emission Points/Stationary Vents/Process Vents	N/A	63CC-06	40 CFR Part 63, Subpart CC	No changing attributes.
525-V9	Emission Points/Stationary Vents/Process Vents	N/A	115-VENT04	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
527-H2	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-FUEL01	40 CFR Part 60, Subpart J	No changing attributes.
527-H1	Process Heaters/Furnaces	N/A	63DDDDDD-01	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
527-H2	Process Heaters/Furnaces	N/A	63DDDDDD-01	40 CFR Part 63, Subpart DDDDDD	No changing attributes.
546-FUG99A	Fugitive Emission Units	N/A	R5322-ALL	30 TAC Chapter 115, Fugitives Pet Ref B Counties	No changing attributes.
546-FUG99A	Fugitive Emission Units	N/A	63CCVV-1	40 CFR Part 63, Subpart CC	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
546-FUG99A	Fugitive Emission Units	N/A	63CCVV-ALL	40 CFR Part 63, Subpart CC	
546-H1	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-FUEL01	40 CFR Part 60, Subpart J	No changing attributes.
546-H1	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
546-H2	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
546-H3	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
546-H4	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
546-H5	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
546-V13	Emission Points/Stationary Vents/Process Vents	N/A	115-VENT04	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
546-V18	Emission Points/Stationary Vents/Process Vents	N/A	115-VENT04	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
546-V27	Emission Points/Stationary Vents/Process Vents	N/A	115-VENT04	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
546-V28	Emission Points/Stationary Vents/Process Vents	N/A	115-VENT04	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
546-V28	Emission Points/Stationary Vents/Process Vents	N/A	63CC-VENT2	40 CFR Part 63, Subpart CC	No changing attributes.
547-H1	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
547-H2	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
552-TK0001	Storage Tanks/Vessels	N/A	61FF-TANK	40 CFR Part 61, Subpart FF	No changing attributes.
552-TK0002	Storage Tanks/Vessels	N/A	61FF-TANK	40 CFR Part 61, Subpart FF	No changing attributes.
553-FUG	Fugitive Emission Units	N/A	R5322-ALL	30 TAC Chapter 115, Fugitives Pet Ref B Counties	No changing attributes.
554-ME5	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-FUEL01	40 CFR Part 60, Subpart J	No changing attributes.
555-S9	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60Ja	40 CFR Part 60, Subpart Ja	No changing attributes.
561-FUG99B	Fugitive Emission Units	N/A	R5322-ALL	30 TAC Chapter 115, Fugitives Pet Ref B Counties	No changing attributes.
566-G-001	SRIC Engines	N/A	63ZZZZ- FPENG01	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
572-CPI1	Volatile Organic Compound Water Separators	N/A	115-OWS01	30 TAC Chapter 115, Water Separation	No changing attributes.
573-ME1	Flares	N/A	111-FLARE01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
573-ME1	Flares	N/A	60A-02	40 CFR Part 60, Subpart A	Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec), Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).
573-ME1	Flares	N/A	60A-03	40 CFR Part 60, Subpart A	Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
573-ME1	Flares	N/A	60A-04	40 CFR Part 60, Subpart A	Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm)
573-ME1	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-FUEL01	40 CFR Part 60, Subpart J	No changing attributes.
573-ME1	Closed Vent System and Control Device	N/A	61FF-FLARE01	40 CFR Part 61, Subpart FF	No changing attributes.
573-ME1	Flares	N/A	63A-01	40 CFR Part 63, Subpart A	Flare Exit Velocity = Flare exit velocity is less than 60 ft/s (18.3 m/sec), Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).
573-ME1	Flares	N/A	63A-02	40 CFR Part 63, Subpart A	Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is less than or equal to 1000 Btu/scf (37.3 MJ/scm).
573-ME1	Flares	N/A	63A-03	40 CFR Part 63, Subpart A	Flare Exit Velocity = Flare exit velocity is greater than or equal to 60 ft/s (18.3 m/sec) but less than 400 ft/s (122 m/sec)., Heating Value of Gas = Heating value is greater than 1000 Btu/scf (37.3 MJ/scm).
573-V2	Emission Points/Stationary Vents/Process Vents	N/A	115-VENT03	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
585-TK6015	Storage Tanks/Vessels	N/A	115TK-06	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
585-TK6015	Storage Tanks/Vessels	N/A	63CC-TK02	40 CFR Part 63, Subpart CC	No changing attributes.
585-TK6019	Storage Tanks/Vessels	N/A	115TK-03	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
585-TK6019	Storage Tanks/Vessels	N/A	63CC-TK01	40 CFR Part 63, Subpart CC	No changing attributes.
590-H1	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60Ja	40 CFR Part 60, Subpart Ja	No changing attributes.
590-H1	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
590-H2	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60Ja	40 CFR Part 60, Subpart Ja	No changing attributes.
590-H2	Process Heaters/Furnaces	N/A	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
590V036	Volatile Organic Compound Water Separators	N/A	61FF-SEP	40 CFR Part 61, Subpart FF	No changing attributes.
90-T5001	Storage Tanks/Vessels	N/A	115-TK07	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
90-T5001	Storage Tanks/Vessels	N/A	60KB-TK01	40 CFR Part 60, Subpart Kb	No changing attributes.
90-T5002	Storage Tanks/Vessels	N/A	115-TK07	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
90-T5002	Storage Tanks/Vessels	N/A	60KB-TK01	40 CFR Part 60, Subpart Kb	No changing attributes.
90-T5003	Storage Tanks/Vessels	N/A	115-TK07	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
90-T5003	Storage Tanks/Vessels	N/A	60KB-TK01	40 CFR Part 60, Subpart Kb	No changing attributes.
90-T5004	Storage Tanks/Vessels	N/A	115-TK07	30 TAC Chapter 115, Storage of VOCs	No changing attributes.



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
90-T5004	Storage Tanks/Vessels	N/A	60KB-TK01	40 CFR Part 60, Subpart Kb	No changing attributes.
90-T5005	Storage Tanks/Vessels	N/A	115-TK07	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
90-T5005	Storage Tanks/Vessels	N/A	60KB-TK01	40 CFR Part 60, Subpart Kb	No changing attributes.
90-T5006	Storage Tanks/Vessels	N/A	115-TK07	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
90-T5006	Storage Tanks/Vessels	N/A	60KB-TK01	40 CFR Part 60, Subpart Kb	No changing attributes.
90-T5007	Storage Tanks/Vessels	N/A	115-TK07	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
90-T5007	Storage Tanks/Vessels	N/A	60KB-TK01	40 CFR Part 60, Subpart Kb	No changing attributes.
90-T5008	Storage Tanks/Vessels	N/A	115-TK07	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
90-T5008	Storage Tanks/Vessels	N/A	60KB-TK01	40 CFR Part 60, Subpart Kb	No changing attributes.
90-UD3	Fugitive Emission Units	N/A	R5322-DOCK3	30 TAC Chapter 115, Fugitives Pet Ref B Counties	No changing attributes.
90-UD3	Fugitive Emission Units	N/A	63CCVV-DOCK3	40 CFR Part 63, Subpart CC	No changing attributes.
91-T4001	Storage Tanks/Vessels	N/A	63CC-TK01	40 CFR Part 63, Subpart CC	No changing attributes.
91-T4002	Storage Tanks/Vessels	N/A	63CC-TK01	40 CFR Part 63, Subpart CC	No changing attributes.
91-T4003	Storage Tanks/Vessels	N/A	63CC-TK01	40 CFR Part 63, Subpart CC	No changing attributes.
CAUSTLOAD	Loading/Unloading Operations	N/A	115-LOAD03	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
DEGRSR1-MS	Solvent Degreasing Machines	N/A	115-DEGR1	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
DEGRSR2-ES	Solvent Degreasing Machines	N/A	115-SOLV11	30 TAC Chapter 115, Degreasing Processes	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
DEGRSR3-PS	Solvent Degreasing Machines	N/A	115-SOLV11	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
EP-1	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	63UUU-CRU	40 CFR Part 63, Subpart UUU	No changing attributes.
FUG-FGRS	Fugitive Emission Units	N/A	R5322-FGRS	30 TAC Chapter 115, Fugitives Pet Ref B Counties	No changing attributes.
FUG-FGRS	Fugitive Emission Units	N/A	60GGG-FGRS	40 CFR Part 60, Subpart GGG	No changing attributes.
FUG-ULSD	Fugitive Emission Units	N/A	R5322	30 TAC Chapter 115, Fugitives Pet Ref B Counties	No changing attributes.
FUG-ULSD	Fugitive Emission Units	N/A	60GGGa	40 CFR Part 60, Subpart GGGa	No changing attributes.
GRP11VENT	Emission Points/Stationsary Vents/Process Vents	521-V5A1, 521- V5A2, 521-V5B1, 521-V5B2	115-VENT01	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP15VENT	Emission Points/Stationsary Vents/Process Vents	546-V24, 546-V25	115-VENT04	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP17VENT	Emission Points/Stationsary Vents/Process Vents	546-V22, 546-V23	115-VENT04	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP1HTR	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	521-H1, 527-H1, 546-H5, 546-H6, 547-H1, 547-H2	60J-FUEL01	40 CFR Part 60, Subpart J	No changing attributes.
GRP20VENT	Emission Points/Stationsary Vents/Process Vents	554-V3, 554-V4	115-VENT06	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP21VENT	Emission Points/Stationsary Vents/Process Vents	552-V5, 555-V16	115-VENT06	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP3BOILER	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	561-B1, 561-B2, 561-B3	60J-FUEL01	40 CFR Part 60, Subpart J	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP3BOILER	Boilers/Steam Generators/Steam Generating Units	561-B1, 561-B2, 561-B3	63DDDDD-01	40 CFR Part 63, Subpart DDDDD	No changing attributes.
GRP4WPCF	Storage Tanks/Vessels	585-TK6001, 585- TK6002, 585- TK6014	63CC-TK01	40 CFR Part 63, Subpart CC	No changing attributes.
GRP5WPRO	Storage Tanks/Vessels	585-TK6011, 585- TK6012	115TK-05	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRP5WPRO	Storage Tanks/Vessels	585-TK6011, 585- TK6012	61FF-TANK	40 CFR Part 61, Subpart FF	No changing attributes.
GRP5WPRO	Storage Tanks/Vessels	585-TK6011, 585- TK6012	63CC-TK03	40 CFR Part 63, Subpart CC	No changing attributes.
GRPVENDTKS	Storage Tanks/Vessels	VENDORTKS	115TK-3	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
H-99	Emission Points/Stationary Vents/Process Vents	N/A	111-VENT01	30 TAC Chapter 111, Visible Emissions	No changing attributes.
SLUDGELOAD	Loading/Unloading Operations	N/A	115-LOAD02	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
WP-SRU	Gas Sweetening/Sulfur Recovery Units	N/A	R112	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
WP-SRU	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	60J-SRU01	40 CFR Part 60, Subpart J	No changing attributes.
WP-SRU	FCCU Cat Regen/Fuel Gas Combustion/Claus SRU	N/A	63UUU-WP-SRU	40 CFR Part 63, Subpart UUU	No changing attributes.

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
090-P-02A	EU	63ZZZZ-FPENG01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
090-P-02B	EU	63ZZZZ-FPENG01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
090-P-02C	EU	63ZZZZ-FPENG01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
091-P-001	EU	63ZZZZ-FPENG01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
091-P-100	EU	63ZZZZ-FPENG01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)
503-UD6	EU	R5322-DOCK6	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.327(1)	Valves of nominal size of 2" (5 cm) or less are exempt, provided allowable emissions from sources affected by this division after controls are applied with exemptions will not exceed by more than 5.0% such allowable emissions with no exemptions.	None	None	§ 115.327(1)(A) § 115.327(1)(B) § 115.327(1)(C)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
503-UD6	EU	R5322-DOCK6	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No valve in liquid service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
503-UD6	EU	R5322-DOCK6	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No valve in liquid service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
503-UD6	EU	R5322-DOCK6	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No connector, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
503-UD6	EU	R5322-DOCK6	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No connector may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
503-UD6	EU	63CCVV-DOCK6	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.327(1)	Valves of nominal size of 2" (5 cm) or less are exempt, provided allowable emissions from sources affected by this division after controls are applied with exemptions will not exceed by more than 5.0% such allowable emissions with no exemptions.	None	None	§ 115.327(1)(A) § 115.327(1)(B) § 115.327(1)(C)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No pump seal, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No pump seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(A) § 115.324(3) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(5)	No valve (gaseous service), as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.322(5)	No valve (gaseous service) may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No valve in liquid service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No valve in liquid service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No process drain, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No process drain may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(C) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3) § 115.327(6)	No compressor seal, as described in § 115.327(3), (5) or (6), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No compressor seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(A) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No elevated valve, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No elevated valve may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(D) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(5)	No pressure relief valve in gaseous service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(5)	No pressure relief valve in gaseous service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(C) § 115.324(4) § 115.324(5) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No connector, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
517-S14	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No connector may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
517-S14	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.327(1)	Valves of nominal size of 2" (5 cm) or less are exempt, provided allowable emissions from sources affected by this division after controls are applied with exemptions will not exceed by more than 5.0% such allowable emissions with no exemptions.	None	None	§ 115.327(1)(A) § 115.327(1)(B) § 115.327(1)(C)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No pump seal, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No pump seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(A) § 115.324(3) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(5)	No valve (gaseous service), as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.322(5)	No valve (gaseous service) may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No valve in liquid service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No valve in liquid service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No process drain, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No process drain may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(C) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3) § 115.327(6)	No compressor seal, as described in § 115.327(3), (5) or (6), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No compressor seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(A) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No elevated valve, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No elevated valve may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(D) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(5)	No pressure relief valve in gaseous service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(5)	No pressure relief valve in gaseous service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(C) § 115.324(4) § 115.324(5) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No connector, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
521-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No connector may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
521-FUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
521-H1	EU	63DDDD D-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
521-P-067	EU	60IIII-FPENG01	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) § 60.4211(b) § 60.4211(b)(1) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year or earlier must comply with a CO emission limit of 5.0 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
521-P-067	EU	60IIII-FPENG01	NMHC and NO <sub>x</sub>	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) § 60.4211(b) § 60.4211(b)(1) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year or earlier must comply with an NMHC+NO <sub>x</sub> emission limit of 10.5 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)
521-P-067	EU	60IIII-FPENG01	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(c)-Table 4 § 60.4206 § 60.4207(b) § 60.4211(b) § 60.4211(b)(1) [G]§ 60.4211(f) § 60.4218	Owners and operators of emergency stationary fire pump CI ICE with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 30 liters per cylinder and is a 2009 model year or earlier must comply with a PM emission limit of 0.80 g/KW-hr, as listed in Table 4 to this subpart.	§ 60.4209(a)	§ 60.4214(b)	[G]§ 60.4214(d)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
521-P-067	EU	63ZZZZ-FPENG02	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None
521-TK0001	EU	63CC-TK01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
521-TK0008	EU	63CC-TK01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
521-TKFRAC	EU	63CC-TK01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.327(1)	Valves of nominal size of 2" (5 cm) or less are exempt, provided allowable emissions from sources affected by this division after controls are applied with exemptions will not exceed by more than 5.0% such allowable emissions with no exemptions.	None	None	§ 115.327(1)(A) § 115.327(1)(B) § 115.327(1)(C)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No pump seal, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No pump seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(A) § 115.324(3) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(5)	No valve (gaseous service), as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.322(5)	No valve (gaseous service) may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No valve in liquid service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No valve in liquid service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No process drain, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No process drain may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(C) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3) § 115.327(6)	No compressor seal, as described in § 115.327(3), (5) or (6), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No compressor seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(A) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No elevated valve, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No elevated valve may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(D) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(5)	No pressure relief valve in gaseous service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(5)	No pressure relief valve in gaseous service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(C) § 115.324(4) § 115.324(5) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No connector, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
525/526FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No connector may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
525/526FUG	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
525-V5A12	EP	115-VENT01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(b)(2)(B) § 115.127(b)(2)	A vent gas stream with a concentration of the VOC or classes of compounds specified in § 115.121(b)(2)-(3) of this title < 30,000 ppmv is exempt from § 115.121(b).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
525-V5A8	EP	115-VENT01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(b)(2)(B) § 115.127(b)(2)	A vent gas stream with a concentration of the VOC or classes of compounds specified in § 115.121(b)(2)-(3) of this title < 30,000 ppmv is exempt from § 115.121(b).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
525-V5B12	EP	115-VENT01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(b)(2)(B) § 115.127(b)(2)	A vent gas stream with a concentration of the VOC or classes of compounds specified in § 115.121(b)(2)-(3) of this title < 30,000 ppmv is exempt from § 115.121(b).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
525-V5B8	EP	115-VENT01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(b)(2)(B) § 115.127(b)(2)	A vent gas stream with a concentration of the VOC or classes of compounds specified in § 115.121(b)(2)-(3) of this title < 30,000 ppmv is exempt from § 115.121(b).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
525-V-8	EP	115-VENT04	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(b) § 115.121(b) § 115.122(b)(3)	For all persons in Nueces and Victoria Counties, any vent gas streams affected by §115.121(b) of this title must be controlled properly with a control efficiency of at least 90% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None
525-V-8	EU	63CC-06	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
525-V9	EP	115-VENT04	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(b) § 115.121(b) § 115.122(b)(3)	For all persons in Nueces and Victoria Counties, any vent gas streams affected by §115.121(b) of this title must be controlled properly with a control efficiency of at least 90% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None
527-H1	EU	63DDDD D-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
527-H2	EU	60J-FUEL01	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
527-H2	EU	63DDDD D-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.327(1)	Valves of nominal size of 2" (5 cm) or less are exempt, provided allowable emissions from sources affected by this division after controls are applied with exemptions will not exceed by more than 5.0% such allowable emissions with no exemptions.	None	None	§ 115.327(1)(A) § 115.327(1)(B) § 115.327(1)(C)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No pump seal, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No pump seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(A) § 115.324(3) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(5)	No valve (gaseous service), as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.322(5)	No valve (gaseous service) may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No valve in liquid service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No valve in liquid service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No process drain, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No process drain may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(C) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3) § 115.327(6)	No compressor seal, as described in § 115.327(3), (5) or (6), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No compressor seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(A) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No elevated valve, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No elevated valve may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(D) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(5)	No pressure relief valve in gaseous service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(5)	No pressure relief valve in gaseous service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(C) § 115.324(4) § 115.324(5) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No connector, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
546-FUG99A	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No connector may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
546-FUG99A	EU	63CCVV-1	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
546-FUG99A	EU	63CCVV-ALL	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
546-H1	EU	60J-FUEL01	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1) ** See Alternative Requirements	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
546-H1	EU	63DDDD D-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
546-H2	EU	63DDDD D-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
546-H3	EU	63DDDD D-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD



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546-H4	EU	63DDDD D-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
546-H5	EU	63DDDD D-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
546-V13	EP	115-VENT04	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(b) § 115.121(b) § 115.122(b)(3)	For all persons in Nueces and Victoria Counties, any vent gas streams affected by §115.121(b) of this title must be controlled properly with a control efficiency of at least 90% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
546-V18	EP	115-VENT04	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(b) § 115.121(b) § 115.122(b)(3)	For all persons in Nueces and Victoria Counties, any vent gas streams affected by §115.121(b) of this title must be controlled properly with a control efficiency of at least 90% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None
546-V27	EP	115-VENT04	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(b) § 115.121(b) § 115.122(b)(3)	For all persons in Nueces and Victoria Counties, any vent gas streams affected by §115.121(b) of this title must be controlled properly with a control efficiency of at least 90% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None
546-V28	EP	115-VENT04	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(b) § 115.121(b) § 115.122(b)(3)	For all persons in Nueces and Victoria Counties, any vent gas streams affected by §115.121(b) of this title must be controlled properly with a control efficiency of at least 90% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
546-V28	EP	63CC-VENT2	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
547-H1	EU	63DDDD D-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
547-H2	EU	63DDDD D-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
552-TK0001	EU	61FF-TANK	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(iii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)
552-TK0002	EU	61FF-TANK	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(iii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.327(1)	Valves of nominal size of 2" (5 cm) or less are exempt, provided allowable emissions from sources affected by this division after controls are applied with exemptions will not exceed by more than 5.0% such allowable emissions with no exemptions.	None	None	§ 115.327(1)(A) § 115.327(1)(B) § 115.327(1)(C)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No pump seal, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No pump seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(A) § 115.324(3) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(5)	No valve (gaseous service), as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.322(5)	No valve (gaseous service) may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No valve in liquid service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No valve in liquid service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No process drain, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No process drain may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(C) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3) § 115.327(6)	No compressor seal, as described in § 115.327(3), (5) or (6), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No compressor seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(A) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No elevated valve, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No elevated valve may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(D) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(5)	No pressure relief valve in gaseous service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(5)	No pressure relief valve in gaseous service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(C) § 115.324(4) § 115.324(5) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No connector, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
553-FUG	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No connector may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)



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554-ME5	EU	60J-FUEL01	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
555-S9	EU	60Ja	§111 Pollutant	40 CFR Part 60, Subpart Ja	§ 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja ** See Alternative Requirements	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja
561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.327(1)	Valves of nominal size of 2" (5 cm) or less are exempt, provided allowable emissions from sources affected by this division after controls are applied with exemptions will not exceed by more than 5.0% such allowable emissions with no exemptions.	None	None	§ 115.327(1)(A) § 115.327(1)(B) § 115.327(1)(C)
561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No pump seal, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

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561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No pump seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(A) § 115.324(3) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(5)	No valve (gaseous service), as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.322(5)	No valve (gaseous service) may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No valve in liquid service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

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561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No valve in liquid service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No process drain, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No process drain may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(C) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3) § 115.327(6)	No compressor seal, as described in § 115.327(3), (5) or (6), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

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561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No compressor seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(A) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No elevated valve, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No elevated valve may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(D) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(5)	No pressure relief valve in gaseous service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(5)	No pressure relief valve in gaseous service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(C) § 115.324(4) § 115.324(5) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No connector, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
561-FUG99B	EU	R5322-ALL	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No connector may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
566-G-001	EU	63ZZZZ-FPENG01	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(f)(1) § 63.6640(f)(2) § 63.6640(f)(2)(i) § 63.6640(f)(3)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii	§ 63.6625(i) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(e) § 63.6650(f)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
572-CPI1	EU	115-OWS01	VOC	30 TAC Chapter 115, Water Separation	§ 115.137(b)(3)	Any separator which separates materials having a true vapor pressure < 1.5 psia (10.3 kPa) obtained from any equipment is exempt from §115.132(b).	[G]§ 115.135(b) § 115.136(b)(1) § 115.136(b)(3) § 115.136(b)(4)	§ 115.136(b)(1) § 115.136(b)(3) § 115.136(b)(4)	None
573-ME1	EU	111-FLARE01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
573-ME1	CD	60A-02	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
573-ME1	CD	60A-03	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(iii) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4) § 60.18(f)(5)	None	None
573-ME1	CD	60A-04	Opacity	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(ii) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
573-ME1	EU	60J-FUEL01	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
573-ME1	CD	61FF-FLARE01	Benzene	40 CFR Part 61, Subpart FF	§ 61.349(a) § 60.18 § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g) § 61.354(c)	For each closed-vent system and control device used to comply with §§61.343-61.348, properly design, install, operate, and maintain the closed-vent system and control device.	§ 60.18(f)(2) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(3) § 61.356(f) § 61.356(f)(1) § 61.356(f)(2)(i)(D) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
573-ME1	CD	63A-01	112(B) HAPS	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(i)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
573-ME1	CD	63A-02	112(B) HAPS	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(iii)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
573-ME1	CD	63A-03	112(B) HAPS	40 CFR Part 63, Subpart A	§ 63.11(b)(4) § 63.11(b)(1) § 63.11(b)(2) § 63.11(b)(3) § 63.11(b)(5) § 63.11(b)(6)(ii) § 63.11(b)(7)(ii)	Flares shall be designed and operated with no visible emissions, except for periods of a total of 5 minutes or less during any 2 consecutive hrs. Test Method 22 in App. A of part 60 of this chapter shall be used.	§ 63.11(b)(4) § 63.11(b)(5) § 63.11(b)(7)(i)	None	None
573-V2	EP	115-VENT03	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(b) § 115.121(b) § 115.122(b)(2) § 60.18	For all persons in Nueces and Victoria Counties, any vent gas streams affected by §115.121(b) of this title must be controlled properly with a control efficiency of at least 90% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None
585-TK6015	EU	115TK-06	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
585-TK6015	EU	63CC-TK02	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
585-TK6019	EU	115TK-03	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(5)	§ 115.114(a)(1)(B) § 115.118(a)(3)
585-TK6019	EU	63CC-TK01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
590-H1	EU	60Ja	§111 Pollutant	40 CFR Part 60, Subpart Ja	§ 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
590-H1	EU	63DDDD D-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
590-H2	EU	60Ja	§111 Pollutant	40 CFR Part 60, Subpart Ja	§ 60.100a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart Ja	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart Ja
590-H2	EU	63DDDD D-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
590V036	EU	61FF-SEP	Benzene	40 CFR Part 61, Subpart FF	§ 61.347(a)(1) § 60.18 § 61.347(a)(1)(i)(A) § 61.347(a)(1)(i)(B) § 61.347(b) § 61.347(c) § 61.349(a) § 61.349(a)(1)(i) § 61.349(a)(1)(iii) § 61.349(a)(1)(iv) § 61.349(b) § 61.349(e) § 61.349(f) § 61.349(g)	Install, operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the oil-water separator to a control device.	§ 60.18(f)(2) § 61.347(a)(1)(i)(A) § 61.347(b) § 61.349(a)(1)(i) § 61.349(e) § 61.349(f) § 61.354(c) § 61.354(c)(3) [G]§ 61.355(h)	§ 61.354(c) § 61.354(c)(3) § 61.356(d) § 61.356(f) § 61.356(f)(1) § 61.356(g) § 61.356(h) § 61.356(j) § 61.356(j)(1) § 61.356(j)(2) § 61.356(j)(3) § 61.356(j)(7)	§ 61.357(d)(7) § 61.357(d)(7)(iv) § 61.357(d)(7)(iv)(F)
90-T5001	EU	115-TK07	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
90-T5001	EU	60KB-TK01	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
90-T5002	EU	115-TK07	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
90-T5002	EU	60KB-TK01	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
90-T5003	EU	115-TK07	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
90-T5003	EU	60KB-TK01	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
90-T5004	EU	115-TK07	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
90-T5004	EU	60KB-TK01	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
90-T5005	EU	115-TK07	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
90-T5005	EU	60KB-TK01	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
90-T5006	EU	115-TK07	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	None



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
90-T5006	EU	60KB-TK01	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
90-T5007	EU	115-TK07	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
90-T5007	EU	60KB-TK01	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
90-T5008	EU	115-TK07	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.112(b)(2)(F) § 115.114(b)(2)(A) § 115.114(b)(4)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(2) § 115.114(b)(3) § 115.114(b)(4) § 115.114(b)(4)(A) [G]§ 115.117	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
90-T5008	EU	60KB-TK01	VOC	40 CFR Part 60, Subpart Kb	[G]§ 60.112b(a)(2)	Storage vessels specified in §60.112b(a) and equipped with an external floating roof (pontoon or double-deck type) are to meet the specifications of §60.112b(a)(2)(i)-(iii).	[G]§ 60.113b(b)(1) [G]§ 60.113b(b)(2) § 60.113b(b)(3) § 60.113b(b)(4) § 60.113b(b)(4)(i) § 60.113b(b)(4)(i)(A) § 60.113b(b)(4)(i)(B) [G]§ 60.113b(b)(4)(ii) § 60.113b(b)(4)(iii) § 60.113b(b)(5) [G]§ 60.113b(b)(6) § 60.116b(a) § 60.116b(b) § 60.116b(c) § 60.116b(e) § 60.116b(e)(1) § 60.116b(e)(2)(i)	§ 60.115b [G]§ 60.115b(b)(3) § 60.116b(a) § 60.116b(b) § 60.116b(c)	§ 60.113b(b)(4)(iii) § 60.113b(b)(5) § 60.113b(b)(6)(ii) § 60.115b § 60.115b(b)(1) [G]§ 60.115b(b)(2) § 60.115b(b)(4)
90-UD3	EU	R5322-DOCK3	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.327(1)	Valves of nominal size of 2" (5 cm) or less are exempt, provided allowable emissions from sources affected by this division after controls are applied with exemptions will not exceed by more than 5.0% such allowable emissions with no exemptions.	None	None	§ 115.327(1)(A) § 115.327(1)(B) § 115.327(1)(C)
90-UD3	EU	R5322-DOCK3	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No valve in liquid service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
90-UD3	EU	R5322-DOCK3	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No valve in liquid service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
90-UD3	EU	R5322-DOCK3	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No process drain, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
90-UD3	EU	R5322-DOCK3	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No process drain may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(C) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
90-UD3	EU	R5322-DOCK3	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No connector, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
90-UD3	EU	R5322-DOCK3	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No connector may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
90-UD3	EU	63CCVV-DOCK3	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
91-T4001	EU	63CC-TK01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
91-T4002	EU	63CC-TK01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
91-T4003	EU	63CC-TK01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
CAUSTLOAD	EU	115-LOAD03	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(3)(A) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Plants, excluding gasoline bulk plants, which load <20,000 gallons of VOC into transport vessels per day with a true vapor pressure of 1.5 psia or greater are exempt from this division, except for the specified requirements.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None
DEGRSR1-MS	EU	115-DEGR1	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) [G]§ 115.412(1)(A) § 115.412(1)(B) § 115.412(1)(C) § 115.412(1)(D) § 115.412(1)(E) [G]§ 115.412(1)(F)	Cold solvent cleaning. No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F).	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	None	None
DEGRSR2-ES	EU	115-SOLV11	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.411(5)	In Gregg, Nueces, and Victoria Counties, degreasing operations located on any property that can emit, when uncontrolled, a combined weight of VOC < 550 pounds in any consecutive 24-hour period are exempt from §115.412 of this title.	None	§ 115.416 § 115.416(3)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
DEGRSR3-PS	EU	115-SOLV11	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.411(5)	In Gregg, Nueces, and Victoria Counties, degreasing operations located on any property that can emit, when uncontrolled, a combined weight of VOC < 550 pounds in any consecutive 24-hour period are exempt from §115.412 of this title.	None	§ 115.416 § 115.416(3)	None
EP-1	EU	63UUU-CRU	112(B) HAPS	40 CFR Part 63, Subpart UUU	§ 63.1560	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUU	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart UUU	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart UUU	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart UUU
FUG-FGRS	EU	R5322-FGRS	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.327(1)	Valves of nominal size of 2" (5 cm) or less are exempt, provided allowable emissions from sources affected by this division after controls are applied with exemptions will not exceed by more than 5.0% such allowable emissions with no exemptions.	None	None	§ 115.327(1)(A) § 115.327(1)(B) § 115.327(1)(C)
FUG-FGRS	EU	R5322-FGRS	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No pump seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(A) § 115.324(3) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-FGRS	EU	R5322-FGRS	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.322(5)	No valve (gaseous service) may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
FUG-FGRS	EU	R5322-FGRS	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No compressor seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(A) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FUG-FGRS	EU	60GGG-FGRS	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-2 [G]§ 60.482-9	Comply with the requirements as stated in §60.482-2 for pumps in light-liquid service.	[G]§ 60.482-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)
FUG-FGRS	EU	60GGG-FGRS	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-3 [G]§ 60.482-9	Comply with the requirements as stated in §60.482-3 for compressors.	[G]§ 60.482-3 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) § 60.592(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(h) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-FGRS	EU	60GGG-FGRS	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 60.592(b)	Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service.	[G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d) § 60.593(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(g) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 60.592(e)
FUG-FGRS	EU	60GGG-FGRS	VOC	40 CFR Part 60, Subpart GGG	§ 60.592(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9	Comply with the requirements in as stated in §60.482-8 for flanges or other connectors.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f) § 60.592(d)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j) § 60.592(e)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.592(e)
FUG-ULSD	EU	R5322	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.327(1)	Valves of nominal size of 2" (5 cm) or less are exempt, provided allowable emissions from sources affected by this division after controls are applied with exemptions will not exceed by more than 5.0% such allowable emissions with no exemptions.	None	None	§ 115.327(1)(A) § 115.327(1)(B) § 115.327(1)(C)
FUG-ULSD	EU	R5322	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3)	No pump seal, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-ULSD	EU	R5322	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No pump seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(A) § 115.324(3) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FUG-ULSD	EU	R5322	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(5)	No valve (gaseous service), as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FUG-ULSD	EU	R5322	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.322(5)	No valve (gaseous service) may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
FUG-ULSD	EU	R5322	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4) § 115.327(3) § 115.327(5)	No valve in liquid service, as described in § 115.327(3) or (5), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FUG-ULSD	EU	R5322	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.322(4)	No valve in liquid service may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(1) § 115.324(1)(B) § 115.324(4) § 115.324(6) [G]§ 115.324(7) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.324(7) [G]§ 115.326(1) § 115.327(4)
FUG-ULSD	EU	R5322	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3) § 115.327(3) § 115.327(6)	No compressor seal, as described in § 115.327(3), (5) or (6), may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	[G]§ 115.325	[G]§ 115.326(1) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FUG-ULSD	EU	R5322	VOC	30 TAC Chapter 115, Fugitives Pet Ref B Counties	§ 115.322(1) § 115.322(2) § 115.322(3)	No compressor seal may be allowed to have a VOC leak as defined in §101.1 for more than 15 calendar days after the leak is found, except as provided in §115.322(2).	§ 115.324 § 115.324(2) § 115.324(2)(A) § 115.324(4) § 115.324(6) [G]§ 115.325	[G]§ 115.326(1) [G]§ 115.326(2) [G]§ 115.326(3) § 115.326(5)	[G]§ 115.326(1) § 115.327(4)
FUG-ULSD	EU	60GGGa	VOC	40 CFR Part 60, Subpart GGGa	[G]§ 60.590a(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart GGGa	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart GGGa	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart GGGa	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart GGGa	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart GGGa

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP11VENT	EP	115-VENT01	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(b)(2)(B) § 115.127(b)(2)	A vent gas stream with a concentration of the VOC or classes of compounds specified in § 115.121(b)(2)-(3) of this title < 30,000 ppmv is exempt from § 115.121(b).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRP15VENT	EP	115-VENT04	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(b) § 115.121(b) § 115.122(b)(3)	For all persons in Nueces and Victoria Counties, any vent gas streams affected by §115.121(b) of this title must be controlled properly with a control efficiency of at least 90% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None
GRP17VENT	EP	115-VENT04	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(b) § 115.121(b) § 115.122(b)(3)	For all persons in Nueces and Victoria Counties, any vent gas streams affected by §115.121(b) of this title must be controlled properly with a control efficiency of at least 90% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP1HTR	EU	60J-FUEL01	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
GRP20VENT	EP	115-VENT06	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(b) § 115.121(b) § 115.122(b)(1)	For all persons in Nueces and Victoria Counties, any vent gas streams affected by §115.121(b) of this title must be controlled properly with a control efficiency of at least 90% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None
GRP21VENT	EP	115-VENT06	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.122(b) § 115.121(b) § 115.122(b)(1)	For all persons in Nueces and Victoria Counties, any vent gas streams affected by §115.121(b) of this title must be controlled properly with a control efficiency of at least 90% or to a VOC concentration of no more than 20 ppmv (on a dry basis corrected to 3.0% oxygen for combustion devices).	[G]§ 115.125 § 115.126(2) ** See Periodic Monitoring Summary	§ 115.126 § 115.126(2)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP3BOILER	EU	60J-FUEL01	Hydrogen Sulfide	40 CFR Part 60, Subpart J	§ 60.104(a)(1)	No owner or operator subject to the provisions of this subpart shall burn in any fuel gas combustion device any fuel gas that contains hydrogen sulfide (H <sub>2</sub> S) in excess of 230 mg/dscm (0.10 gr/dscf).	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(ii) § 60.105(a)(4)(iii) § 60.106(a) [G]§ 60.106(e)(1)	§ 60.105(a)(4) § 60.105(a)(4)(i) § 60.105(a)(4)(iii)	§ 60.105(e)(3)(ii) § 60.107(d) § 60.107(f) § 60.107(g)
GRP3BOILER	EU	63DDDD D-01	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
GRP4WPCF	EU	63CC-TK01	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
GRP5WPRO	EU	115TK-05	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1) § 115.112(b)(2) § 115.112(b)(2)(A) § 115.112(b)(2)(B) § 115.112(b)(2)(C) § 115.112(b)(2)(D) § 115.112(b)(2)(E) § 115.114(b)(1)(A)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	§ 115.114(b)(1)(A) [G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(2) § 115.118(b)(4) § 115.118(b)(5)	§ 115.114(b)(1)(B)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP5WPRO	EU	61FF-TANK	Benzene	40 CFR Part 61, Subpart FF	§ 61.351(a) § 60.112b(a)(1) § 60.112b(a)(1)(i) § 60.112b(a)(1)(iii)(C) § 60.112b(a)(1)(iii) § 60.112b(a)(1)(iv) § 60.112b(a)(1)(ix) § 60.112b(a)(1)(v) § 60.112b(a)(1)(vi) § 60.112b(a)(1)(vii) § 60.112b(a)(1)(viii) § 61.351(a)(1) § 61.351(b)	As an alternative to the standards for tanks specified in § 61.343, an owner or operator may elect to comply with one of the following §61.351(a)(1)-(3):	§ 60.113b(a)(1) § 60.113b(a)(2) § 60.113b(a)(4) § 60.113b(a)(5)	§ 60.115b § 60.115b(a)(2) § 61.356(k)	§ 60.113b(a)(2) § 60.113b(a)(5) § 60.115b § 60.115b(a)(1) § 60.115b(a)(3) § 61.357(e) § 61.357(f)
GRP5WPRO	EU	63CC-TK03	112(B) HAPS	40 CFR Part 63, Subpart CC	§ 63.640(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart CC	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart CC
GRPVENDTK S	EU	115TK-3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(b)(1)	Tanks shall not store VOC unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(a) or Table II(a).	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(b)(4) § 115.118(b)(5)	§ 115.114(a)(1)(B) § 115.118(a)(3)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
H-99	EP	111-VENT01	Opacity	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
SLUDGELOAD	EU	115-LOAD02	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.214(b)(1)(B) § 115.214(b)(1)(D) § 115.214(b)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division except as specified.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
WP-SRU	EU	R112	SO <sub>2</sub>	30 TAC Chapter 112, Sulfur Compounds	§ 112.7(a)	No person may cause, suffer, allow, or permit emissions of SO <sub>2</sub> to exceed the emission limits specified for stack effluent flow rates < 4,000 scfm as determined by the specified equation.	§ 112.2(a) ** See CAM Summary	§ 112.2(c)	§ 112.2(b)



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
WP-SRU	EU	60J-SRU01	SO <sub>2</sub>	40 CFR Part 60, Subpart J	§ 60.104(a)(2)(i)	No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any Claus sulfur recovery plant with an oxidation control system any gases containing in excess of 250 ppm by volume of SO <sub>2</sub> at zero percent excess air.	[G]§ 60.105(a)(5) § 60.106(a) [G]§ 60.106(f)	[G]§ 60.105(a)(5)	§ 60.105(e)(4)(i) § 60.107(d) § 60.107(f) § 60.107(g)
WP-SRU	EU	63UUU-WP-SRU	112(B) HAPS	40 CFR Part 63, Subpart UUU	§ 63.1560	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart UUU	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart UUU	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart UUU	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart UUU

**Additional Monitoring Requirements**

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### CAM Summary

Unit/Group/Process Information	
ID No.: WP-SRU	
Control Device ID No.: 554-ME5	Control Device Type: Sulfur Recovery Unit with Incinerator
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: R112
Pollutant: SO <sub>2</sub>	Main Standard: § 112.7(a)
Monitoring Information	
Indicator: SO <sub>2</sub> emission rate	
Minimum Frequency: four times per hour	
Averaging Period: hourly	
Deviation Limit: SO <sub>2</sub> emission rate exceeds 1,057 lb/hr	
<p>CAM Text: Measure and record the concentration of SO<sub>2</sub> in the exhaust stream of the control device with a continuous monitoring system (CEMS). In addition, measure and record the oxygen or carbon dioxide concentration of the flue gas with a CEMS. This monitored data shall be used to calculate a lb/hr SO<sub>2</sub> emission rate.</p> <p>The CEMS shall be operated in accordance with 40 CFR § 60.13 and the performance specifications of 40 CFR Part 60, Appendix B. Any calculated SO<sub>2</sub> emission rate (calculated in lb/hr) above the deviation limit shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 525-V-8	
Control Device ID No.: 527-H2	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is less than 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115-VENT04
Pollutant: VOC	Main Standard: § 115.122(b)
Monitoring Information	
Indicator: Records of heater construction	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Maintain records sufficient to demonstrate that the vent is introduced into the flame zone	
Periodic Monitoring Text: Keep a record of the heater construction specifications (e.g. engineering drawings) which demonstrate that the vent stream is introduced into the flame zone.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 525-V9	
Control Device ID No.: 527-H2	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is less than 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115-VENT04
Pollutant: VOC	Main Standard: § 115.122(b)
Monitoring Information	
Indicator: Records of heater construction	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Maintain records sufficient to demonstrate that the vent is introduced into the flame zone.	
Periodic Monitoring Text: Keep a record of the heater construction specifications (e.g. engineering drawings) which demonstrate that the vent stream is introduced into the flame zone.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 546-V13	
Control Device ID No.: 546-H1	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115-VENT04
Pollutant: VOC	Main Standard: § 115.122(b)
Monitoring Information	
Indicator: Fuel use records	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Periods when fuel use records are not available shall be considered deviations, if this unit is operating	
Periodic Monitoring Text: Monitor and record the periods of operation of the steam generating units or process heater. All periods that are not recorded shall be considered and reported as a deviation. The records must be readily available for inspection.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 546-V18	
Control Device ID No.: 546-H2	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115-VENT04
Pollutant: VOC	Main Standard: § 115.122(b)
Monitoring Information	
Indicator: Period of operation	
Minimum Frequency: N/A	
Averaging Period: N/A	
Deviation Limit: All periods that are not recorded shall be considered and reported as a deviation.	
Periodic Monitoring Text: Monitor and record the periods of operation of the steam generating units or process heater. All periods that are not recorded shall be considered and reported as a deviation. The records must be readily available for inspection.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 546-V27	
Control Device ID No.: 546-H1	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115-VENT04
Pollutant: VOC	Main Standard: § 115.122(b)
Monitoring Information	
Indicator: Fuel use records	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Periods when fuel records are not available shall be considered deviations, if this vent is operating.	
Periodic Monitoring Text: Monitor and record the periods of operation of the steam generating units or process heater. All periods that are not recorded shall be considered and reported as a deviation. The records must be readily available for inspection.	



### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 546-V28	
Control Device ID No.: 546-H2	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115-VENT04
Pollutant: VOC	Main Standard: § 115.122(b)
Monitoring Information	
Indicator: Period of operation	
Minimum Frequency: N/A	
Averaging Period: N/A	
Deviation Limit: All periods that are not recorded shall be considered and reported as a deviation.	
Periodic Monitoring Text: Monitor and record the periods of operation of the steam generating units or process heater. All periods that are not recorded shall be considered and reported as a deviation. The records must be readily available for inspection.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 573-V2	
Control Device ID No.: 573-ME1	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115-VENT03
Pollutant: VOC	Main Standard: § 115.122(b)
Monitoring Information	
Indicator: Presence of a pilot flame	
Minimum Frequency: once per hour	
Averaging Period: n/a	
Deviation Limit: Absence of a pilot flame	
<p>Periodic Monitoring Text: Measure and record the presence of the pilot flame or maintain records of alarm events and duration of alarm events. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame or using an alarm that uses a thermocouple or other equivalent device to detect the absence of a flame. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data which indicates the lack of a pilot flame shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 585-TK6019	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-03
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: Questionable integrity of fill pipe, not repaired before refilling	
<p>Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 585-TK6019	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-03
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Inadequate or Missing Tank Construction Specifications	
<p>Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: DEGRSR1-MS	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: 115-DEGR1
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of 30 TAC § 115.412(1) (A)-(F) shall be considered and reported as a deviation.	
Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP15VENT	
Control Device ID No.: 546-H1	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115-VENT04
Pollutant: VOC	Main Standard: § 115.122(b)
Monitoring Information	
Indicator: Fuel use records	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Periods when fuel use records are not available shall be considered deviations, if this vent is operating.	
Periodic Monitoring Text: Monitor and record the periods of operation of the steam generating units or process heater. All periods that are not recorded shall be considered and reported as a deviation. The records must be readily available for inspection.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP17VENT	
Control Device ID No.: 546-H2	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115-VENT04
Pollutant: VOC	Main Standard: § 115.122(b)
Monitoring Information	
Indicator: Fuel use records	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Periods when fuel use records are not available shall be considered deviations, if this vent is operating.	
Periodic Monitoring Text: Monitor and record the periods of operation of the steam generating units or process heater. All periods that are not recorded shall be considered and reported as a deviation. The records must be readily available for inspection.	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP20VENT	
Control Device ID No.: 554-ME5	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115-VENT06
Pollutant: VOC	Main Standard: § 115.122(b)
Monitoring Information	
Indicator: Combustion temperature	
Minimum Frequency: once per week	
Averaging Period: N/A	
Deviation Limit: Any monitoring data below the established minimum combustion temperature of 1300 F shall be considered a deviation.	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. Establish a minimum combustion temperature using the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	



### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP21VENT	
Control Device ID No.: 554-ME5	Control Device Type: Thermal Incinerator (Direct Flame Incinerator/Regenerative Thermal Oxidizer)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: 115-VENT06
Pollutant: VOC	Main Standard: § 115.122(b)
Monitoring Information	
Indicator: Combustion temperature	
Minimum Frequency: once per week	
Averaging Period: N/A	
Deviation Limit: Any monitoring data below the established minimum combustion temperature of 1300 F shall be considered a deviation.	
<p>Periodic Monitoring Text: Measure and record the combustion temperature in the combustion chamber or immediately downstream of the combustion chamber. Establish a minimum combustion temperature using the most recent performance test, manufacturer's recommendations, engineering calculations, and/or historical data. The monitoring instrumentation shall be maintained, calibrated and operated in accordance with manufacturer's specifications or other written procedures. Any monitoring data below the minimum limit shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP5WPRO	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-05
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Internal Floating Roof	
Minimum Frequency: annually	
Averaging Period: n/a	
Deviation Limit: Repairs shall be made or the tank taken out of service if monitoring data indicates that the roof is not in compliance with 30 TAC § 115.114(b)(1).	
<p>Periodic Monitoring Text: Visually inspect and record the inspection of the internal floating roof to ensure: the roof is floating on the surface of the VOC and, liquid has not accumulated on the internal floating roof, the seals are not detached, and there are no holes or tears in the seal fabric. Any monitoring data in which the roof is not floating on the surface of the VOC, if liquid has accumulated on the internal floating roof, the seals are detached, or if there are holes or tears in the seal fabric shall be considered and reported as a deviation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPVENDTKS	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-3
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: Questionable structural integrity of fill pipe, not repaired before refilling	
<p>Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPVENDTKS	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: 115TK-3
Pollutant: VOC	Main Standard: § 115.112(b)(1)
Monitoring Information	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Inadequate or Missing Tank Construction Specifications	
<p>Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: H-99	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: 111-VENT01
Pollutant: Opacity	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Visible emissions or an opacity greater than 15% averaged over a six minute period.	
<p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor.</p> <p>If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions.</p> <p>If the result of the Test Method 9 is an opacity above the corresponding opacity limit, the permit holder shall report a deviation.</p>	

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### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
090-P-02A	N/A	40 CFR Part 60, Subpart IIII	The construction date of the fire pump compression ignition internal combustion engine falls before July 11, 2005. Fire pump engine manufactured in 1970.
090-P-02A	N/A	40 CFR Part 60, Subpart JJJJ	Not a spark ignition internal combustion engine.
090-P-02B	N/A	40 CFR Part 60, Subpart IIII	The construction date of the fire pump compression ignition internal combustion engine falls before July 11, 2005. Fire pump engine manufactured in 1970.
090-P-02B	N/A	40 CFR Part 60, Subpart JJJJ	Not a spark ignition internal combustion engine.
090-P-02C	N/A	40 CFR Part 60, Subpart IIII	The construction date of the fire pump compression ignition internal combustion engine falls before July 11, 2005. Fire pump engine manufactured in 1970.
090-P-02C	N/A	40 CFR Part 60, Subpart JJJJ	Not a spark ignition internal combustion engine.
091-P-001	N/A	40 CFR Part 60, Subpart IIII	The construction date of the fire pump compression ignition internal combustion engine falls before July 11, 2005. Fire pump engine manufactured in 1970.
091-P-001	N/A	40 CFR Part 60, Subpart JJJJ	Not a spark ignition internal combustion engine.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
091-P-100	N/A	40 CFR Part 60, Subpart IIII	The construction date of the fire pump compression ignition internal combustion engine falls before July 11, 2005. Fire pump engine manufactured in 1970.
091-P-100	N/A	40 CFR Part 60, Subpart JJJJ	Not a spark ignition internal combustion engine.
517-S14	N/A	40 CFR Part 60, Subpart GGG	These equipment leaks are not subject to NSPS GGG because they are subject to the requirements of MACT CC, which supersedes NSPS GGG per the overlap provisions of 63.640(p).
517-S14	N/A	40 CFR Part 60, Subpart VV	Equipment is located in a process unit that does not produce as an intermediate or final product any chemical listed in 40 CFR 60.489.
517-S14	N/A	40 CFR Part 61, Subpart J	These fugitive components are not intended to operate in benzene service.
517-S14	N/A	40 CFR Part 61, Subpart V	Equipment associated with this unit is not intended to operate in VHAP service.
521-FUG	N/A	40 CFR Part 60, Subpart GGG	These equipment leaks are not subject to NSPS GGG because they are subject to the requirements of MACT CC, which supersedes NSPS GGG per the overlap provisions of 63.640(p).
521-FUG	N/A	40 CFR Part 60, Subpart VV	Equipment is located in a process unit that does not produce as an intermediate or final product any chemical listed in 40 CFR 60.489.



### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
521-FUG	N/A	40 CFR Part 61, Subpart J	These fugitive components are not intended to operate in benzene service.
521-FUG	N/A	40 CFR Part 61, Subpart V	Equipment associated with this unit is not intended to operate in VHAP service.
521-P-067	N/A	40 CFR Part 60, Subpart JJJJ	Not a spark ignition internal combustion engine.
521-TK0001	N/A	30 TAC Chapter 115, Storage of VOCs	The vapor pressure of the product stored is less than 1.5 psia and the tank is not equipped with an external floating roof.
521-TK0001	N/A	40 CFR Part 60, Subpart Ka	This tank does not store a petroleum liquid.
521-TK0008	N/A	30 TAC Chapter 115, Storage of VOCs	The vapor pressure of the product stored is less than 1.5 psia, and the tank is not equipped with an external floating roof.
521TK008	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a true vapor pressure less than 1.5 psia and does not have an external floating roof.
521TK008	N/A	40 CFR Part 60, Subpart K	Tank volume below 151,412 liters (40,000 gallons).
521TK008	N/A	40 CFR Part 60, Subpart Ka	Tank volume below 151,412 liters (40,000 gallons).
521TK008	N/A	40 CFR Part 60, Subpart Kb	Tank was constructed before July 23, 1984
521TK105	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a true vapor pressure less than 1.5 psia and does not have an external floating roof.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
521TK105	N/A	40 CFR Part 60, Subpart K	Tank volume below 151,412 liters (40,000 gallons).
521TK105	N/A	40 CFR Part 60, Subpart Ka	Tank volume below 151,412 liters (40,000 gallons).
521TK105	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is below 75 cubic meters
521TK105	N/A	40 CFR Part 63, Subpart CC	Tank volume below 40 cubic meters.
521TK106	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a true vapor pressure less than 1.5 psia and does not have an external floating roof.
521TK106	N/A	40 CFR Part 60, Subpart K	Tank volume below 151,412 liters (40,000 gallons).
521TK106	N/A	40 CFR Part 60, Subpart Ka	Tank volume below 151,412 liters (40,000 gallons).
521TK106	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is below 75 cubic meters
521TK106	N/A	40 CFR Part 63, Subpart CC	Tank volume below 40 cubic meters.
521-TKFRAC	N/A	30 TAC Chapter 115, Storage of VOCs	The vapor pressure of the product stored is less than 1.5 psia, and the tank is not equipped with an external floating roof.
521-TKFRAC	N/A	40 CFR Part 60, Subpart Kb	Storage tank capacity is less than 75 cubic meters.
521-V-9	N/A	30 TAC Chapter 115, Vent Gas Controls	Gas streams routed to the fuel gas system do not meet the definition of a vent.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
521-V-9	N/A	40 CFR Part 63, Subpart CC	Gas streams routed to a fuel gas system are excluded from the definition of miscellaneous process vent.
525/526FUG	N/A	40 CFR Part 60, Subpart GGG	These equipment leaks are not subject to NSPS GGG because they are subject to the requirements of MACT CC, which supersedes NSPS GGG per the overlap provisions of 63.640(p).
525/526FUG	N/A	40 CFR Part 60, Subpart VV	Equipment is located in a process unit that does not produce as an intermediate or final product any chemical listed in 40 CFR 60.489.
525/526FUG	N/A	40 CFR Part 61, Subpart J	These fugitive components are not intended to operate in benzene service.
525/526FUG	N/A	40 CFR Part 61, Subpart V	Equipment associated with this unit is not intended to operate in VHAP service.
525-V5A12	N/A	40 CFR Part 63, Subpart CC	Coking unit vent is excluded from the definition of miscellaneous process vent.
525-V5A8	N/A	40 CFR Part 63, Subpart CC	Coking unit vent is excluded from definition of miscellaneous process vent.
525-V5B12	N/A	40 CFR Part 63, Subpart CC	Coking unit vent is excluded from the definition of miscellaneous process vent.
525-V5B8	N/A	40 CFR Part 63, Subpart CC	Coking unit vent is excluded from the definition of miscellaneous process vent.
527-H2	N/A	30 TAC Chapter 112, Sulfur Compounds	Process heaters are not subject to 30 TAC Chapter 112, since they do not combust liquid fuel.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
527-V-11	N/A	40 CFR Part 60, Subpart NNN	Facility does not produce chemicals listed in 60.667
546-FUG99A	N/A	40 CFR Part 60, Subpart GGG	These equipment leaks are not subject to NSPS GGG because they are subject to the requirements of MACT CC, which supersedes NSPS GGG per the overlap provisions of 63.640(p).
546-FUG99A	N/A	40 CFR Part 60, Subpart VV	Equipment is located in a process unit that does not produce as an intermediate or final product any chemical listed in 40 CFR 60.489.
546-FUG99A	N/A	40 CFR Part 61, Subpart J	These equipment leaks are not subject to NESHAP J because they are subject to the requirements of MACT CC, which supersedes NESHAP J per the overlap provisions of 63.640(p).
546-FUG99A	N/A	40 CFR Part 61, Subpart V	These equipment leaks are not subject to NESHAP V because they are subject to the requirements of MACT CC, which supersedes NESHAP V per the overlap provisions of 63.640(p).
546-H1	N/A	30 TAC Chapter 112, Sulfur Compounds	Process heaters are not subject to 30 TAC Chapter 112, since they do not combust liquid fuel.
546TK100	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a true vapor pressure less than 1.5 psia and does not have an external floating roof.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
546TK100	N/A	40 CFR Part 60, Subpart K	Tank volume below 151,412 liters (40,000 gallons).
546TK100	N/A	40 CFR Part 60, Subpart Ka	Tank volume below 151,412 liters (40,000 gallons).
546TK100	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is below 75 cubic meters
546TK100	N/A	40 CFR Part 63, Subpart CC	Tank volume below 40 cubic meters.
546TK101	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a true vapor pressure less than 1.5 psia and does not have an external floating roof.
546TK101	N/A	40 CFR Part 60, Subpart K	Tank volume below 151,412 liters (40,000 gallons).
546TK101	N/A	40 CFR Part 60, Subpart Ka	Tank volume below 151,412 liters (40,000 gallons).
546TK101	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is below 75 cubic meters
546TK101	N/A	40 CFR Part 63, Subpart CC	Tank volume below 40 cubic meters.
546-V13	N/A	40 CFR Part 60, Subpart III	Facility does not produce chemicals listed in 60.617
546-V13	N/A	40 CFR Part 60, Subpart RRR	Facility does not produce chemicals listed in 60.707
546-V18	N/A	40 CFR Part 60, Subpart III	Facility does not produce chemicals listed in 60.617
546-V18	N/A	40 CFR Part 60, Subpart RRR	Facility does not produce chemicals listed in 60.707

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
546-V27	N/A	40 CFR Part 60, Subpart III	Facility does not produce chemicals listed in 60.617
546-V27	N/A	40 CFR Part 60, Subpart RRR	Facility does not produce chemicals listed in 60.707
546-V28	N/A	40 CFR Part 60, Subpart III	Facility does not produce chemicals listed in 60.617
546-V28	N/A	40 CFR Part 60, Subpart RRR	Facility does not produce chemicals listed in 60.707
552-S10	N/A	30 TAC Chapter 111, Visible Emissions	This flare is exempt from visible emissions requirements since it is used on an emergency basis
552-S10	N/A	40 CFR Part 60, Subpart A	This flare is not a control device used to comply with the applicable subparts of 60 & 61.
552-S10	N/A	40 CFR Part 60, Subpart J	This flare is used for process upsets or to combust fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions.
552-S10	N/A	40 CFR Part 63, Subpart A	This flare is not a control device used to comply with the applicable subparts of 40 CFR Part 63.
552-TK0001	N/A	30 TAC Chapter 115, Storage of VOCs	This tank stores material with a true vapor pressure less than 1.5 psia and is not equipped with an external floating roof.
552-TK0001	N/A	40 CFR Part 60, Subpart Ka	This tank does not store a petroleum liquid.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
553-FUG	N/A	40 CFR Part 60, Subpart GGG	Construction and any modifications or reconstructions all commenced prior to January 4, 1983.
553-FUG	N/A	40 CFR Part 60, Subpart VV	Equipment is located in a process unit that does not produce as an intermediate or final product any chemical listed in 40 CFR 60.489.
553-FUG	N/A	40 CFR Part 61, Subpart J	These fugitive components are not intended to operate in benzene service.
553-FUG	N/A	40 CFR Part 61, Subpart V	Equipment associated with this unit is not intended to operate in VHAP service.
553-FUG	N/A	40 CFR Part 63, Subpart CC	Equipment associated with this unit is not intended to operate in OHAP service.
553-S-PIT	N/A	30 TAC Chapter 115, Vent Gas Controls	This vent is not expected to have VOC emissions.
555-S9	N/A	30 TAC Chapter 111, Visible Emissions	This flare is exempt from visible emissions requirements since it is used on an emergency basis
555-S9	N/A	40 CFR Part 60, Subpart A	This flare is not a control device used to comply with the applicable subparts of 60 & 61.
555-S9	N/A	40 CFR Part 60, Subpart J	This flare is used for process upsets or to combust fuel gas that is released to the flare as a result of relief valve leakage or other emergency malfunctions.

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
555-S9	N/A	40 CFR Part 63, Subpart A	This flare is not a control device used to comply with the applicable subparts of 40 CFR Part 63.
555TK005	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a true vapor pressure less than 1.5 psia and does not have an external floating roof.
555TK005	N/A	40 CFR Part 60, Subpart K	Tank volume is below 151,412 liters (40,000 gallons).
555TK005	N/A	40 CFR Part 60, Subpart Ka	Tank volume below 151,412 liters (40,000 gallons).
555TK005	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is below 75 cubic meters
561-FUG99B	N/A	40 CFR Part 60, Subpart GGG	Construction and any modifications or reconstructions all commenced prior to January 4, 1983.
561-FUG99B	N/A	40 CFR Part 60, Subpart VV	Equipment is located in a process unit that does not produce as an intermediate or final product any chemical listed in 40 CFR 60.489.
561-FUG99B	N/A	40 CFR Part 61, Subpart J	These fugitive components are not intended to operate in benzene service.
561-FUG99B	N/A	40 CFR Part 61, Subpart V	Equipment associated with this unit is not intended to operate in VHAP service.
561-FUG99B	N/A	40 CFR Part 63, Subpart CC	This equipment is associated with a process unit that does not meet the definition of a petroleum refining process unit because it is not used for the operations listed in 63.641.



### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
566-G-001	N/A	40 CFR Part 60, Subpart IIII	The construction date of the emergency generator compression ignition internal combustion engine falls before July 11, 2005. Emergency generator engine manufactured in 1982.
566-G-001	N/A	40 CFR Part 60, Subpart JJJJ	Not a spark ignition internal combustion engine.
566TK0101	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a true vapor pressure less than 1.5 psia and does not have an external floating roof.
566TK0101	N/A	40 CFR Part 60, Subpart K	Tank volume below 151,412 liters (40,000 gallons).
566TK0101	N/A	40 CFR Part 60, Subpart Ka	Tank volume below 151,412 liters (40,000 gallons).
566TK0101	N/A	40 CFR Part 63, Subpart CC	Tank volume below 40 cubic meters.
566-TK0101	N/A	30 TAC Chapter 115, Storage of VOCs	This tank holds less than 1,000 gallons.
566-TK0101	N/A	40 CFR Part 60, Subpart Kb	This tank has a capacity less than 10,600 gallons.
566-TK0101	N/A	40 CFR Part 63, Subpart CC	This tank's storage capacity is less than 40 cubic meters (10,567 gallons).
572-CPI1	N/A	40 CFR Part 63, Subpart VV	This separator is not subject to another subpart of 40 CFR Parts 60, 61, or 63 that refers to this subpart.
572-TK0002	N/A	30 TAC Chapter 115, Storage of VOCs	This tank holds less than 1,000 gallons.
572-TK0002	N/A	40 CFR Part 60, Subpart Ka	This tank does not store a petroleum liquid.

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
572-WWT	N/A	30 TAC Chapter 115, Fugitives Pet Ref B Counties	Fugitive components only contact fluid that contain less than 10% VOC by weight.
572-WWT	N/A	40 CFR Part 60, Subpart GGG	Unit does not contain any equipment in VOC service.
572-WWT	N/A	40 CFR Part 60, Subpart VV	Equipment is located in a process unit that does not produce as an intermediate or final product any chemical listed in 40 CFR 60.489.
572-WWT	N/A	40 CFR Part 61, Subpart J	These fugitive components are not intended to operate in benzene service.
572-WWT	N/A	40 CFR Part 61, Subpart V	Equipment associated with this unit is not intended to operate in VHAP service.
572-WWT	N/A	40 CFR Part 63, Subpart CC	The equipment is associated with a process unit that does not meet the definition of a petroleum refinery process unit because it is not used for the operations listed in 63.641.
573-V2	N/A	40 CFR Part 60, Subpart III	Facility does not produce chemicals listed in 60.617
573-V2	N/A	40 CFR Part 60, Subpart NNN	Facility does not produce chemicals listed in 60.667
573-V2	N/A	40 CFR Part 60, Subpart RRR	Facility does not produce chemicals listed in 60.707
581-CT1	N/A	40 CFR Part 63, Subpart Q	Cooling Tower has not been operated with chromium-based water treatment chemicals on or after 9/8/94.

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
585-TK0104	N/A	30 TAC Chapter 115, Storage of VOCs	This tank is part of a motor vehicle fuel dispensing facility and has a capacity less than 25,000 gallons.
585-TK0104	N/A	40 CFR Part 60, Subpart Kb	Storage tank capacity does not equal or exceed 75 cubic meters
585-TK0104	N/A	40 CFR Part 63, Subpart CC	This tank's storage capacity is less than 40 cubic meters (10,567 gallons).
585-TK0105	N/A	30 TAC Chapter 115, Storage of VOCs	The vapor pressure of the product stored is less than 1.5 psia and the tank is not equipped with an external floating roof.
585-TK0105	N/A	40 CFR Part 60, Subpart Kb	Storage tank capacity does not equal or exceed 75 cubic meters
585-TK0105	N/A	40 CFR Part 63, Subpart CC	This tank's storage capacity is less than 40 cubic meters (10,567 gallons).
585-TK6015	N/A	40 CFR Part 60, Subpart Ka	This is a Group 1 tank in compliance with the provisions of 40 CFR Part 63, Subpart CC.
585-TK6019	N/A	40 CFR Part 60, Subpart Ka	This tank has a storage capacity below 40,000 gallons.
90-T-103	N/A	30 TAC Chapter 115, Storage of VOCs	The tank has a storage capacity less than 1000 gallons
90-T-103	N/A	40 CFR Part 60, Subpart K	The tank has a storage capacity less than 151,412 liters (40,000 gallons)
90-T-103	N/A	40 CFR Part 60, Subpart Ka	The tank has a storage capacity less than 151,416 liters (40,000 gallons)

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
90-T-103	N/A	40 CFR Part 60, Subpart Kb	The tank has a storage capacity less than 75 cubic meters
90-T-103	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
90-T-103	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt
90-T-103	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores diesel, not a hazardous waste)
90-T-103	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene
90-T-103	N/A	40 CFR Part 63, Subpart CC	The tank has a storage capacity less than 40 cubic meters, and, thus, does not meet the 40 CFR Part 63, Subpart CC definition of storage vessel
90-T-103	N/A	40 CFR Part 63, Subpart EEEE	The tank stores diesel, which is excluded from the definition of organic liquid
90-T-103	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H
90-T-104	N/A	30 TAC Chapter 115, Storage of VOCs	The tank has a capacity less than 1000 gallons
90-T-104	N/A	40 CFR Part 60, Subpart K	The tank has a storage capacity less than 151,412 liters (40,000 gallons)
90-T-104	N/A	40 CFR Part 60, Subpart Ka	The tank has a storage capacity less than 151,416 liters (40,000 gallons)

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
90-T-104	N/A	40 CFR Part 60, Subpart Kb	The tank has a storage capacity less than 75 cubic meters
90-T-104	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
90-T-104	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt
90-T-104	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores diesel, not a hazardous waste)
90-T-104	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene
90-T-104	N/A	40 CFR Part 63, Subpart CC	The tank has a storage capacity less than 40 cubic meters, and, thus, does not meet the 40 CFR Part 63, Subpart CC definition of storage vessel
90-T-104	N/A	40 CFR Part 63, Subpart EEEE	The tank stores diesel, which is excluded from the definition of organic liquid
90-T-104	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H
90-T-105	N/A	30 TAC Chapter 115, Storage of VOCs	The tank has a capacity less than 1000 gallons
90-T-105	N/A	40 CFR Part 60, Subpart K	The tank has a storage capacity less than 151,412 liters (40,000 gallons)
90-T-105	N/A	40 CFR Part 60, Subpart Ka	The tank has a storage capacity less than 151,416 liters (40,000 gallons)

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
90-T-105	N/A	40 CFR Part 60, Subpart Kb	The tank has a storage capacity less than 75 cubic meters
90-T-105	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
90-T-105	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt
90-T-105	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores diesel, not a hazardous waste)
90-T-105	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene
90-T-105	N/A	40 CFR Part 63, Subpart CC	The tank has a storage capacity less than 40 cubic meters, and, thus, does not meet the 40 CFR Part 63, Subpart CC definition of storage vessel
90-T-105	N/A	40 CFR Part 63, Subpart EEEE	The tank stores diesel, which is excluded from the definition of organic liquid
90-T-105	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H
90-T5001	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
90-T5001	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt
90-T5001	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores crude oil, not a hazardous waste)
90-T5001	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
90-T5001	N/A	40 CFR Part 63, Subpart CC	The tank is already subject to control requirements under NSPS Subpart Kb, therefore it does not have to comply with 40 CFR Part 63, Subpart CC
90-T5001	N/A	40 CFR Part 63, Subpart EEEE	The tank is already subject to 40 CFR Part 63, Subpart CC, therefore it is excluded as an affected source subject to 40 CFR Part 63 Subpart EEEE
90-T5001	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subparts F, G, and H
90-T5002	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
90-T5002	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt
90-T5002	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores crude oil, not a hazardous waste)
90-T5002	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene
90-T5002	N/A	40 CFR Part 63, Subpart CC	The tank is already subject to control requirements under NSPS Subpart Kb, therefore it does not have to comply with 40 CFR Part 63, Subpart CC
90-T5002	N/A	40 CFR Part 63, Subpart EEEE	The tank is already subject to 40 CFR Part 63, Subpart CC, therefore it is excluded as an affected source subject to 40 CFR Part 63 Subpart EEEE

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
90-T5002	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H
90-T5003	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
90-T5003	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt
90-T5003	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores crude oil, not a hazardous waste)
90-T5003	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene
90-T5003	N/A	40 CFR Part 63, Subpart CC	The tank is already subject to control requirements under NSPS Subpart Kb, therefore it does not have to comply with 40 CFR Part 63, Subpart CC
90-T5003	N/A	40 CFR Part 63, Subpart EEEE	The tank is already subject to 40 CFR Part 63, Subpart CC, therefore it is excluded as an affected source subject to 40 CFR Part 63 Subpart EEEE
90-T5003	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H
90-T5004	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
90-T5004	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt



### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
90-T5004	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores crude oil, not a hazardous waste)
90-T5004	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene
90-T5004	N/A	40 CFR Part 63, Subpart CC	The tank is already subject to control requirements under NSPS Subpart Kb, therefore it does not have to comply with 40 CFR Part 63, Subpart CC
90-T5004	N/A	40 CFR Part 63, Subpart EEEE	The tank is already subject to 40 CFR Part 63, Subpart CC, therefore it is excluded as an affected source subject to 40 CFR Part 63 Subpart EEEE
90-T5004	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H
90-T5005	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
90-T5005	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt
90-T5005	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores crude oil, not a hazardous waste)
90-T5005	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
90-T5005	N/A	40 CFR Part 63, Subpart CC	The tank is already subject to control requirements under NSPS Subpart Kb, therefore it does not have to comply with 40 CFR Part 63, Subpart CC
90-T5005	N/A	40 CFR Part 63, Subpart EEEE	The tank is already subject to 40 CFR Part 63, Subpart CC, therefore it is excluded as an affected source subject to 40 CFR Part 63 Subpart EEEE
90-T5005	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H
90-T5006	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
90-T5006	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt
90-T5006	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores crude oil, not a hazardous waste)
90-T5006	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene
90-T5006	N/A	40 CFR Part 63, Subpart CC	The tank is already subject to control requirements under NSPS Subpart Kb, therefore it does not have to comply with 40 CFR Part 63, Subpart CC
90-T5006	N/A	40 CFR Part 63, Subpart EEEE	The tank is already subject to 40 CFR Part 63, Subpart CC, therefore it is excluded as an affected source subject to 40 CFR Part 63 Subpart EEEE

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
90-T5006	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H
90-T5007	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
90-T5007	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt
90-T5007	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores crude oil, not a hazardous waste)
90-T5007	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene
90-T5007	N/A	40 CFR Part 63, Subpart CC	The tank is already subject to control requirements under NSPS Subpart Kb, therefore it does not have to comply with 40 CFR Part 63, Subpart CC
90-T5007	N/A	40 CFR Part 63, Subpart EEEE	The tank is already subject to 40 CFR Part 63, Subpart CC, therefore it is excluded as an affected source subject to 40 CFR Part 63 Subpart EEEE
90-T5007	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H
90-T5008	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
90-T5008	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
90-T5008	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores crude oil, not a hazardous waste)
90-T5008	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene
90-T5008	N/A	40 CFR Part 63, Subpart CC	The tank is already subject to control requirements under NSPS Subpart Kb, therefore it does not have to comply with 40 CFR Part 63, Subpart CC
90-T5008	N/A	40 CFR Part 63, Subpart EEEE	The tank is already subject to 40 CFR Part 63, Subpart CC, therefore it is excluded as an affected source subject to 40 CFR Part 63 Subpart EEEE
90-T5008	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H
91-T-103	N/A	30 TAC Chapter 115, Storage of VOCs	The tank has a capacity less than 1000 gallons
91-T-103	N/A	40 CFR Part 60, Subpart K	The tank has a storage capacity less than 151,412 liters (40,000 gallons)
91-T-103	N/A	40 CFR Part 60, Subpart Ka	The tank has a storage capacity less than 151,416 liters (40,000 gallons)
91-T-103	N/A	40 CFR Part 60, Subpart Kb	The tank has a storage capacity less than 75 cubic meters
91-T-103	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
91-T-103	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt
91-T-103	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores diesel, not a hazardous waste)
91-T-103	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene
91-T-103	N/A	40 CFR Part 63, Subpart CC	The tank has a storage capacity less than 40 cubic meters, and, thus, does not meet the 40 CFR Part 63, Subpart CC definition of storage vessel
91-T-103	N/A	40 CFR Part 63, Subpart EEEE	The tank stores diesel, which is excluded from the definition of organic liquid
91-T-103	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H
91-T-104	N/A	30 TAC Chapter 115, Storage of VOCs	The tank has a capacity less than 1000 gallons
91-T-104	N/A	40 CFR Part 60, Subpart K	The tank has a storage capacity less than 151,412 liters (40,000 gallons)
91-T-104	N/A	40 CFR Part 60, Subpart Ka	The tank has a storage capacity less than 151,416 liters (40,000 gallons)
91-T-104	N/A	40 CFR Part 60, Subpart Kb	The tank has a storage capacity less than 75 cubic meters
91-T-104	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
91-T-104	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
91-T-104	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores diesel, not a hazardous waste)
91-T-104	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene
91-T-104	N/A	40 CFR Part 63, Subpart CC	The tank has a storage capacity less than 40 cubic meters, and, thus, does not meet the 40 CFR Part 63, Subpart CC definition of storage vessel
91-T-104	N/A	40 CFR Part 63, Subpart EEEE	The tank stores diesel, which is excluded from the definition of organic liquid
91-T-104	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H
91-T4001	N/A	30 TAC Chapter 115, Storage of VOCs	The tank stores product with a vapor pressure less than 1.0 psia and is not subject to control requirements or recordkeeping under Chapter 115
91-T4001	N/A	40 CFR Part 60, Subpart K	The tank does not store a petroleum liquid. The product (diesel) does not meet the definition of a petroleum liquid as defined in 40 CFR §60.111(b)
91-T4001	N/A	40 CFR Part 60, Subpart Ka	The tank does not store a petroleum liquid. The product (diesel) does not meet the definition of a petroleum liquid as defined in 40 CFR §60.111a(b)

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
91-T4001	N/A	40 CFR Part 60, Subpart Kb	Not an affected facility as the storage vessel has a capacity greater than 151 cubic meters and stores a liquid with a maximum true vapor pressure less than 3.5 kilopascals
91-T4001	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
91-T4001	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt
91-T4001	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores diesel, not a hazardous waste)
91-T4001	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene
91-T4001	N/A	40 CFR Part 63, Subpart EEEE	The tank is already subject to 40 CFR Part 63, Subpart CC, therefore it is excluded as an affected source subject to 40 CFR Part 63 Subpart EEEE
91-T4001	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H
91-T4002	N/A	30 TAC Chapter 115, Storage of VOCs	The tank stores product with a vapor pressure less than 1.0 psia and is not subject to control requirements or recordkeeping under Chapter 115
91-T4002	N/A	40 CFR Part 60, Subpart K	The tank does not store a petroleum liquid. The product (diesel) does not meet the definition of a petroleum liquid as defined in 40 CFR §60.111(b)

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
91-T4002	N/A	40 CFR Part 60, Subpart Ka	The tank does not store a petroleum liquid. The product (diesel) does not meet the definition of a petroleum liquid as defined in 40 CFR §60.111a(b)
91-T4002	N/A	40 CFR Part 60, Subpart Kb	Not an affected facility as the storage vessel has a capacity greater than 151 cubic meters and stores a liquid with a maximum true vapor pressure less than 3.5 kilopascals
91-T4002	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
91-T4002	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt
91-T4002	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores diesel, not a hazardous waste)
91-T4002	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene
91-T4002	N/A	40 CFR Part 63, Subpart EEEE	The tank is already subject to 40 CFR Part 63, Subpart CC, therefore it is excluded as an affected source subject to 40 CFR Part 63 Subpart EEEE
91-T4002	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H
91-T4003	N/A	30 TAC Chapter 115, Storage of VOCs	The tank stores product with a vapor pressure less than 1.0 psia and is not subject to control requirements or recordkeeping under Chapter 115



### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
91-T4003	N/A	40 CFR Part 60, Subpart K	The tank does not store a petroleum liquid. The product (diesel) does not meet the definition of a petroleum liquid as defined in 40 CFR §60.111(b)
91-T4003	N/A	40 CFR Part 60, Subpart Ka	The tank does not store a petroleum liquid. The product (diesel) does not meet the definition of a petroleum liquid as defined in 40 CFR §60.111a(b)
91-T4003	N/A	40 CFR Part 60, Subpart Kb	Not an affected facility as the storage vessel has a capacity greater than 151 cubic meters and stores a liquid with a maximum true vapor pressure less than 3.5 kilopascals
91-T4003	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
91-T4003	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt
91-T4003	N/A	40 CFR Part 61, Subpart FF	Not a hazardous waste treatment, storage, and disposal facility (tank stores diesel, not a hazardous waste)
91-T4003	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene
91-T4003	N/A	40 CFR Part 63, Subpart EEEE	The tank is already subject to 40 CFR Part 63, Subpart CC, therefore it is excluded as an affected source subject to 40 CFR Part 63 Subpart EEEE
91-T4003	N/A	40 CFR Part 63, Subpart G	The tank is not associated with a chemical manufacturing process unit that is subject to 40 CFR Part 63, Subpart F, G, and H

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
DEGRSR1-MS	N/A	40 CFR Part 63, Subpart T	These solvent degreasers do not use solvents containing methylene chloride, trichloroethylene, perchloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, or chloroform.
DEGRSR2-ES	N/A	40 CFR Part 63, Subpart T	These solvent degreasers do not use solvents containing methylene chloride, trichloroethylene, perchloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, or chloroform.
DEGRSR3-PS	N/A	40 CFR Part 63, Subpart T	These solvent degreasers do not use solvents containing methylene chloride, trichloroethylene, perchloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, or chloroform.
DIESEL TANK	N/A	30 TAC Chapter 115, Storage of VOCs	Storage tank storing VOC with a true vapor pressure less than 1.5 psia and does not have an external floating roof.
DIESEL TANK	N/A	40 CFR Part 60, Subpart K	Tank volume below 151,412 liters (40,000 gallons).
DIESEL TANK	N/A	40 CFR Part 60, Subpart Ka	Tank volume below 151,412 liters (40,000 gallons).
DIESEL TANK	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is below 75 cubic meters
DIESEL TANK	N/A	40 CFR Part 63, Subpart CC	Tank volume below 40 cubic meters.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GASUNLOAD	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Motor vehicle fuel dispensing facilities, as defined in 30 TAC §101.1, are exempt from the requirements of 30 TAC 115, Subchapter C, Division 1.
GRP10VENT	527-V-1, 527-V-2	30 TAC Chapter 115, Vent Gas Controls	Gas streams routed to the fuel gas system do not meet the definition of a vent.
GRP10VENT	527-V-1, 527-V-2	40 CFR Part 63, Subpart CC	Gas streams routed to a fuel gas system are excluded from the definition of miscellaneous process vent.
GRP12VENT	521-V11, 522-V19A/B, 525-V11, 561-V13	30 TAC Chapter 115, Vent Gas Controls	Gas streams routed to the fuel gas system do not meet the definition of a vent.
GRP12VENT	521-V11, 522-V19A/B, 525-V11, 561-V13	40 CFR Part 63, Subpart CC	Gas streams routed to the fuel gas system are excluded from the definition of miscellaneous process vent.
GRP14VENT	553-V8, 561-JCMTR	30 TAC Chapter 115, Vent Gas Controls	Gas streams routed to the fuel gas system do not meet the definition of a vent.
GRP14VENT	553-V8, 561-JCMTR	40 CFR Part 63, Subpart CC	Gas streams routed to a fuel gas system are excluded from the definition of miscellaneous process vent.
GRP15VENT	546-V24, 546-V25	40 CFR Part 60, Subpart III	Facility does not produce chemicals listed in 60.617
GRP15VENT	546-V24, 546-V25	40 CFR Part 60, Subpart RRR	Facility does not produce chemicals listed in 60.707
GRP17VENT	546-V22, 546-V23	40 CFR Part 60, Subpart III	Facility does not produce chemicals listed in 60.617

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP17VENT	546-V22, 546-V23	40 CFR Part 60, Subpart RRR	Facility does not produce chemicals listed in 60.707
GRP1HTR	521-H1, 527-H1, 546-H5, 546-H6, 547-H1, 547-H2	30 TAC Chapter 112, Sulfur Compounds	Process heaters do not combust liquid fuel.
GRP20VENT	554-V3, 554-V4	40 CFR Part 60, Subpart III	Facility does not produce chemicals listed in 60.617
GRP20VENT	554-V3, 554-V4	40 CFR Part 60, Subpart RRR	Facility does not produce chemicals listed in 60.707
GRP21VENT	552-V5, 555-V16	40 CFR Part 60, Subpart NNN	Facility does not produce chemicals listed in 60.667
GRP22VENT	521-V7, 522-E10A, 555-V10	30 TAC Chapter 115, Vent Gas Controls	Gas streams routed to the fuel gas system do not meet the definition of a vent.
GRP22VENT	521-V7, 522-E10A, 555-V10	40 CFR Part 60, Subpart NNN	Facility does not produce chemicals listed in 60.667
GRP22VENT	521-V7, 522-E10A, 555-V10	40 CFR Part 63, Subpart CC	Gas streams routed to the fuel gas system are excluded from the definition of miscellaneous process vent.
GRP3BOILER	561-B1, 561-B2, 561-B3	30 TAC Chapter 112, Sulfur Compounds	Boilers do not combust liquid or solid fossil fuel.
GRP3BOILER	561-B1, 561-B2, 561-B3	40 CFR Part 60, Subpart D	Boilers do not generate more than 250 MMBtu/hr of heat input.
GRP3BOILER	561-B1, 561-B2, 561-B3	40 CFR Part 60, Subpart Db	Boilers were built before 6/19/84.
GRP3BOILER	561-B1, 561-B2, 561-B3	40 CFR Part 60, Subpart Dc	Boilers were built before 6/9/89.

### Permit Shield

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Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP4WPCF	585-TK6001, 585-TK6002, 585-TK6014	30 TAC Chapter 115, Storage of VOCs	The vapor pressure of the product stored is less than 1.5 psia and the tank is not equipped with an external floating roof.
GRP4WPCF	585-TK6001, 585-TK6002, 585-TK6014	40 CFR Part 60, Subpart Ka	These tanks only store product with a Reid vapor pressure and maximum vapor pressure below 1.0 psia.
GRP5WPRO	585-TK6011, 585-TK6012	40 CFR Part 60, Subpart Ka	This is a Group 1 tank in compliance with the provisions of 40 CFR Part 63, Subpart CC.
GRP6WPRO	572-TK6020, 572-TK6021, 572-TK6022, 572-TK6023	30 TAC Chapter 115, Storage of VOCs	These tanks store product with vapor pressures below 1.0 psia and are not equipped with external floating roofs.
GRP6WPRO	572-TK6020, 572-TK6021, 572-TK6022, 572-TK6023	40 CFR Part 60, Subpart Ka	These tanks have storage capacities below 40,000 gallons.
GRP7EQTK	572-TK0214, 572-TK0215	30 TAC Chapter 115, Storage of VOCs	The vapor pressure of the product stored is less than 1.5 psia, and the tank is not equipped with an external floating roof.
GRP7EQTK	572-TK0214, 572-TK0215	40 CFR Part 60, Subpart Kb	Storage tank is greater than or equal to 151 cubic meters and stores product with a vapor pressure less than 3.5 kPa (0.5 psia).
GRP8OILY	572-TK0013A, 572-TK0013B	30 TAC Chapter 115, Storage of VOCs	The vapor pressure of the product stored is less than 1.5 psia and the tank is not equipped with an external floating roof.
GRP8OILY	572-TK0013A, 572-TK0013B	40 CFR Part 60, Subpart Ka	This tank does not store a petroleum liquid.
GRP9MDEA	554-TK0001, 554-TK0002, 555-TK0001, 555-TK0002	30 TAC Chapter 115, Storage of VOCs	The vapor pressure of the product stored is less than 1.5 psia and the tank is not equipped with an external floating roof.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP9MDEA	554-TK0001, 554-TK0002, 555-TK0001, 555-TK0002	40 CFR Part 60, Subpart Ka	These tanks store only non-petroleum products.
GRP9MDEA	554-TK0001, 554-TK0002, 555-TK0001, 555-TK0002	40 CFR Part 63, Subpart CC	The tank does not contain any organic hazardous air pollutants listed in table 1 of this subpart.
GRPVENDTKS	VENDORTKS	40 CFR Part 60, Subpart K	These tanks have a storage capacity less than 151,412 liters (40,000 gallons).
GRPVENDTKS	VENDORTKS	40 CFR Part 60, Subpart Ka	These tanks have a storage capacity less than 151,412 liters (40,000 gallons).
GRPVENDTKS	VENDORTKS	40 CFR Part 60, Subpart Kb	These tanks have a storage capacity less than 75 cubic meters (19,813 gallons).
GRPVENDTKS	VENDORTKS	40 CFR Part 63, Subpart CC	This tank has a storage capacity less than 40 cubic meters (10,567 gallons).
TANK 405	N/A	30 TAC Chapter 115, Storage of VOCs	The vapor pressure of the product stored is less than 1.5 psia and the tank is not equipped with an external floating roof
TANK 405	N/A	40 CFR Part 60, Subpart K	The tank has a storage capacity less than 151,412 liters (40,000 gallons)
TANK 405	N/A	40 CFR Part 60, Subpart Ka	The tank has a storage capacity less than 151,416 liters (40,000 gallons)
TANK 405	N/A	40 CFR Part 60, Subpart Kb	The tank has a storage capacity less than 75 cubic meters
TANK 405	N/A	40 CFR Part 60, Subpart QQQ	This is not an affected facility
TANK 405	N/A	40 CFR Part 60, Subpart UU	The tank does not store asphalt

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
TANK 405	N/A	40 CFR Part 61, Subpart FF	Tank not located at a hazardous waste treatment, storage, and disposal facility
TANK 405	N/A	40 CFR Part 61, Subpart Y	The tank does not store industrial or refined grade benzene

**New Source Review Authorization References**

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### New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

<b>Prevention of Significant Deterioration (PSD) Permits</b>	
PSD Permit No.: PSDTX337M1	Issuance Date: 05/27/2015
PSD Permit No.: PSDTX408M3	Issuance Date: 11/26/2018
<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 47421	Issuance Date: 10/03/2011
Authorization No.: 7741A	Issuance Date: 05/27/2015
Authorization No.: 80810	Issuance Date: 06/22/2018
Authorization No.: 8778A	Issuance Date: 11/26/2018
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 12/24/1998
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 12/24/1998
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/04/2000
Number: 15	Version No./Date: 09/23/1982
Number: 51	Version No./Date: 08/30/1988
Number: 51	Version No./Date: 09/12/1989
Number: 53	Version No./Date: 08/30/1988
Number: 53	Version No./Date: 09/12/1989
Number: 57	Version No./Date: 09/23/1982
Number: 58	Version No./Date: 05/12/1981
Number: 61	Version No./Date: 10/04/1995
Number: 62	Version No./Date: 05/12/1981
Number: 63	Version No./Date: 05/12/1981

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
090-P-02A	C.I. Fire Pump Engine	106.511/09/04/2000
090-P-02B	C.I. Fire Pump Engine	106.511/09/04/2000
090-P-02C	C.I. Fire Pump Engine	106.511/09/04/2000
091-P-001	C.I. Fire Pump Engine	106.511/09/04/2000
091-P-100	C.I. Fire Pump Engine	106.511/09/04/2000
503-UD6	Dock 6 Piping Fugitives	106.261/11/01/2003, 106.262/11/01/2003
517-S14	MDHU Process Fugitives	8778A, PSDTX408M3
521-FUG	Coker Unit Fugitives	8778A, PSDTX408M3
521-H1	W.P. Coker Charge Heater	8778A, PSDTX408M3
521-H1	W.P. Coker Charge Heater Stack	8778A, PSDTX408M3
521-P-067	C.I. Fire Pump Engine	106.511/09/04/2000
521-TK0001	W.P. Tank 521-TK0001	62/05/12/1981
521-TK0008	W.P. Tank 521-TK0008	62/05/12/1981
521TK008	Mobil Oil/Sludge Tank	106.472/09/04/2000
521TK105	Filmer Storage Tank	106.472/09/04/2000
521TK106	Kerosene Storage Tank	106.472/09/04/2000
521-TKFRAC	W.P. Tank 521-TKFRAC	106.472/09/04/2000
521-V11	Fuel Gas Knockout Drum	8778A, PSDTX408M3
521-V5A1	Coke Drum Vent A1 (Deheading & Pressure Test)	106.261/11/01/2003
521-V5A2	Coke Drum Vent A2 (Deheading & Pressure Test)	106.261/11/01/2003
521-V5B1	Coke Drum Vent B1 (Deheading & Pressure Test)	106.261/11/01/2003

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
521-V5B2	Coke Drum Vent B2 (Deheading & Pressure Test)	106.261/11/01/2003
521-V7	Fractionator Overhead Drum	8778A, PSDTX408M3
521-V-9	Coker Blowdown Vent	8778A, PSDTX408M3
522-E10A	Debutanizer Overhead Condenser	8778A, PSDTX408M3
522-V19A/B	Sour Oil Trap	8778A, PSDTX408M3
525/526FUG	Merox Unit Fugitives	8778A, PSDTX408M3
525-V11	Spent Caustic Degassing Drum	8778A, PSDTX408M3
525-V5A12	Coker A Drum 12" Steam Vent	8778A, PSDTX408M3
525-V5A8	Coker A Drum 8" Steam Vent	8778A, PSDTX408M3
525-V5B12	Coker A Drum 12" Steam Vent	8778A, PSDTX408M3
525-V5B8	Coker A Drum 8" Steam Vent	8778A, PSDTX408M3
525-V-8	Merox Disulfide Separator Vent	8778A, PSDTX408M3
525-V9	Water Balance Column	8778A, PSDTX408M3
527-H1	W.P.M.D.H. Charge Heater Stack	8778A, PSDTX408M3
527-H2	W.P.M.D.H. Reboiler Heater	8778A, PSDTX408M3
527-H2	W.P.M.D.H. Reboiler Heater Stack	8778A, PSDTX408M3
527-V-11	MDH Fract OH Receiver Vent	8778A, PSDTX408M3
527-V-1	MDH Cracked Feed Surge	8778A, PSDTX408M3
527-V-2	MDH Mixed Feed Surge Drum Vent	8778A, PSDTX408M3
546-FUG99A	W.P. No. 5 Platformer Fugitives	7741A, PSDTX337M1
546-H1	No. 5 Platformer Charge Heater	7741A, PSDTX337M1

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
546-H2	No. 5 Platformer Charge Heater	7741A, PSDTX337M1
546-H3	No. 5 Platformer Charge Heater	7741A, PSDTX337M1
546-H4	No. 5 Platformer Charge Heater	7741A, PSDTX337M1
546-H5	Depentanizer Reboiler Heater	7741A, PSDTX337M1
546-H6	Platformate Splitter Reboiler Heater	7741A, PSDTX337M1
546TK100	Filming Amine Tank	106.472/09/04/2000
546TK101	Neutralizer Storage Tank	106.261/11/01/2003
546-V13	Lock Hopper No. 1 (To Flare or to 546-H1)	7741A, PSDTX337M1
546-V18	Lock Hopper No. 2 (To Flare or to 546-H2)	7741A, PSDTX337M1
546-V22	Vent Drum No. 1 (To 546-H2)	7741A, PSDTX337M1
546-V23	Vent Drum No. 2 (To 546-H2)	7741A, PSDTX337M1
546-V24	Vent Drum No. 3 (To 546-H1)	7741A, PSDTX337M1
546-V25	Vent Drum No. 4 (To 546-H1)	7741A, PSDTX337M1
546-V27	Recycle Gas Coalescer	7741A, PSDTX337M1
546-V28	Booster Gas Coalescer (To Flare or to 546-H2)	7741A, PSDTX337M1
547-H1	N.H.T. Can Heater	7741A, PSDTX337M1
547-H2	N.H.T. Reboiler Stripper Heater	7741A, PSDTX337M1
552-S10	W.P. Sour Water Stripper Flare	8778A, PSDTX408M3
552-TK0001	W.P. Tank 552-TK0001	8778A, PSDTX408M3
552-TK0002	Tank No. 552-T2	80810
552-V5	SWS Flash Drum (To Incinerator)	8778A, PSDTX408M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
553-FUG	W.P. Sulfur Plant Fugitives	8778A, PSDTX408M3
553-S-PIT	Molten Sulfur Pit (To Incinerator)	8778A, PSDTX408M3
553-V8	H2 Knock Out Pot (To Flare)	8778A, PSDTX408M3
554-ME5	W.P. Tail Gas Incinerator	8778A, PSDTX408M3
554-TK0001	W.P. Tank 554-TK0001	8778A, PSDTX408M3
554-TK0002	W.P. Tank 554-TK0002	8778A, PSDTX408M3
554-V3	Quench Tower (To Flare or Incinerator)	8778A, PSDTX408M3
554-V4	Absorber	8778A, PSDTX408M3
555-S9	W.P. Acid Gas Flare	8778A, PSDTX408M3
555-TK0001	W.P. Tank 555-TK0001	8778A, PSDTX408M3
555-TK0002	W.P. Tank 555-TK0002	8778A, PSDTX408M3
555TK005	Lean Amine Surge Tank	106.472/09/04/2000
555-V10	Sour Gas KO Drum	8778A
555-V16	Low Pressure Flash Drum	8778A, PSDTX408M3
561-B1	W.P. Boiler No. 1	7741A, PSDTX337M1
561-B2	W.P. Boiler No. 2	7741A, PSDTX337M1
561-B3	W.P. Boiler No. 3	8778A, PSDTX408M3
561-FUG99B	W.P. Boiler Area Fugitives	7741A
561-JCMTR	Javelina Check Meter (To Flare)	8778A, PSDTX408M3
561-V13	Utility Fuel Gas KO Drum Drain Vent	7741A
566-G-001	C.I. Emergency Generator Engine	106.511/09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
566TK0101	Diesel Storage Tank	106.472/09/04/2000
566-TK0101	W.P. Tank 566-TK0101	58/05/12/1981
572-CPI1	W.P. CPI Oil Water Separator Fugitives	7741A, PSDTX337M1
572-TK0002	W.P. Tank 572-TK0002	15/09/23/1982
572-TK0013A	W.P. Tank 13A	8778A, PSDTX408M3
572-TK0013B	W.P. Tank 13B	8778A, PSDTX408M3
572-TK0214	W.P. Tank 572-TK0214	61/10/04/1995
572-TK0215	W.P. Tank 572-TK0215	61/10/04/1995
572-TK6020	W.P. Tank 14A	8778A, PSDTX408M3
572-TK6021	W.P. Tank 14B	8778A, PSDTX408M3
572-TK6022	W.P. Tank 14C	8778A, PSDTX408M3
572-TK6023	W.P. Tank 14D	8778A, PSDTX408M3
572-WWT	Wastewater Treating Area Fugitives	106.454/11/01/2001
573-ME1	W.P. Emergency Flare	8778A, PSDTX408M3
573-V2	WP Flare Gas Seal Drum	8778A, PSDTX408M3
581-CT1	W.P. Cooling Tower	7741A, PSDTX337M1
585-TK0104	W.P. Tank 585-Tk0104	53/09/12/1989
585-TK0105	W.P. Tank 585-Tk0105	51/09/12/1989
585-TK6001	W.P. Tank 6001	8778A, PSDTX408M3
585-TK6002	W.P. Tank 6002	8778A, PSDTX408M3
585-TK6011	W.P. Tank 6011	8778A, PSDTX408M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
585-TK6012	W.P. Tank 6012	8778A, PSDTX408M3
585-TK6014	W.P. Tank 6014	58/05/12/1981
585-TK6015	W.P. Tank 6015	7741A, PSDTX337M1
585-TK6019	W.P. Tank 585-TK6019	8778A, PSDTX408M3
590-H1	ULSD Charge Heater	8778A, PSDTX408M3
590-H2	ULSD Reboiler Heater	8778A, PSDTX408M3
590V036	Sour Water/Oil Water Separator	106.532/09/04/2000
90-T-103	Tank No. 90. TK-103	80810
90-T-104	Tank No. 90. TK-104	80810
90-T-105	Tank No. 90. TK-105	80810
90-T5001	Tank No. 5001	80810
90-T5002	Tank No. 5002	80810
90-T5003	Tank No. 5003	80810
90-T5004	Tank No. 5004	80810
90-T5005	Tank No. 5005	80810
90-T5006	Tank No. 5006	80810
90-T5007	Tank No. 5007	80810
90-T5008	Tank No. 5008	80810
90-UD3	Dock 3 Piping Fugitives	106.261/11/01/2003, 106.262/11/01/2003
91-T-103	Tank No. 91. TK-103	80810
91-T-104	Tank No. 91. TK-104	80810

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
91-T4001	Tank No. 4001	80810
91-T4002	Tank No. 4002	80810
91-T4003	Tank No. 4003	80810
CAUSTLOAD	Spent Caustic Loading	106.472/09/04/2000
DEGRSR1-MS	Maintenance Shop Degreaser	106.454/11/01/2001
DEGRSR2-ES	WP Electrical Shop Remote Solvent Degreaser	106.454/11/01/2001
DEGRSR3-PS	WP Pipe Shop Remote Solvent Degreaser	106.454/11/01/2001
DIESEL TANK	Diesel Storage Tank	106.472/09/04/2000
EP-1	Catalytic Reformer	7741A, PSDTX337M1
FUG-FGRS	Flare Gas Recovery Fugitives	8778A, PSDTX408M3
FUG-ULSD	ULSD Fugitives	8778A, PSDTX408M3
GASUNLOAD	WP Motor Vehicle Fuel Tank Unloading	53/09/12/1989
H-99	W.P. Combined Heater Stack	7741A, PSDTX337M1
SLUDGELOAD	Sludge Loading	106.473/09/04/2000
TANK 405	Lean Amine Surge Tank	106.261/11/01/2003, 106.262/11/01/2003
VENDORTKS	W. P. Vendor Tanks Greater than 1,000 Gallons	106.472/09/04/2000
WP-SRU	Gas Sweetening/Sulfur Recovery Unit	8778A, PSDTX408M3
WP-SRU	Gas Sweetening/Sulfur Recovery Unit Process	8778A, PSDTX408M3



**Alternative Requirement**

**Alternative Requirement..... 160**

Bryan W. Shaw, Ph.D., P.E., *Chairman*  
Toby Baker, *Commissioner*  
Jon Niermann, *Commissioner*  
Richard A. Hyde, P.E., *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

December 12, 2016

MS PAULETTE FONTENO  
HEALTH, SAFETY, SECURITY AND ENVIRONMENTAL MANAGER  
CITGO REFINING AND CHEMICALS COMPANY LP  
PO BOX 9176  
CORPUS CHRISTI TX 78469-9176

Re: Alternative Method of Compliance (AMOC) No. 68  
West Plant Flare Test Waiver  
Citgo Corpus Christi Refinery West Plant  
Regulated Entity Number: RN100238799  
Customer Reference Number: CN600127922  
Associated Permit Numbers: 8778A, PSDTX408M3, and O1420

Dear Ms. Fonteno:

This correspondence is in response to CITGO Refining and Chemicals Company L.P.'s (CITGO West's) request for a flare performance test waiver at the Citgo Corpus Christi Refinery West Plant and use of an AMOC to comply with 40 CFR 60 Subpart Ja - Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007 (NSPS Ja).

We understand that CITGO West is requesting an exemption from the requirement to demonstrate initial compliance with the H<sub>2</sub>S concentration requirements and to test the flare (Emission Point Number 555-S9 Acid Gas Flare) under §60.104a(a). Instead, CITGO West proposes to rely on the use of quarterly cylinder gas audits (CGAs) on the flare, and continuous emission monitoring system (CEMS) via an Extrel MAX300-IG mass spectrometer with both low and high sulfur spans, consistent with the requirements of §60.107a(e).

The Texas Commission on Environmental Quality (TCEQ) Executive Director has made a final decision to approve your AMOC request. The TCEQ has been delegated authority to enforce the above cited standards and is authorized to approve this AMOC. You are reminded that approval of any AMOC shall not abrogate the Executive Director or Administrator's authority under the Act or in any way prohibit later canceling the AMOC. By copy of this letter we are informing the Environmental Protection Agency, Region 6, of this decision as required by TCEQ's delegation of authority.

December 12, 2016  
Page 2  
Ms. Paulette Fonteno

Re: Permit Numbers: 8778A, PSDTX408M3, and O1420

This AMOC approval may supersede certain requirements or representations in Permit Nos. 8778A and PSDTX408M3. To ensure effective and consistent enforceability, we request that CITGO West incorporate this AMOC into the permit(s) through submittal of alteration(s) no later than 90 days after this approval.

This approval may also change applicable requirements for the site, which are identified in the site operating permit (SOP) O1420. The TCEQ recommends the submittal of a SOP administrative revision if any changes are necessary. Changes meeting the criteria for an administrative revision can be operated before issuance of the revision if a complete application is submitted to the TCEQ and this information is maintained with the SOP records at the site.

If you need further information or have any questions, please contact Ms. Anne Inman, P.E. at (512) 239-1276 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Wilson", is positioned above the typed name and title.

Michael Wilson, P.E., Director  
Air Permits Division  
Office of Air  
Texas Commission on Environmental Quality

cc: Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental Protection Agency, Region 6, Dallas  
Rick Mendoza, Citgo Refining and Chemicals Company, LP  
Alexandra Magill Bromer, Perkins Cole LLP, Washington DC

Project Number: 258632

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

REGION 8  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

FEB 24 2005

ENVIRONMENTAL AFFAIRS

FEB 28 2005

CORPUS CHRISTI REFINING

Mr. Mike Snides  
Manager, Environmental Affairs  
CITGO Refining and Chemicals Company L.P.  
P. O. Box 9176  
Corpus Christi, TX 78469-0321

Re: Request for Approval -  
Alternate Monitoring Plan, PSA Off-Gas  
New Source Performance Standards (NSPS)  
40 CFR Part 60, Subpart J  
West Plant #5 Platformer Regenerator Purge Gas Streams  
{ for 546-H1 + 546-H2 }

Dear Mr. Snides:

This letter is in response to your request for approval of an alternative monitoring plan (AMP), dated January 21, 2005. You stated in your AMP request that you are seeking approval of the use of certain recordkeeping and reporting requirements as an alternative to the monitoring in NSPS Part 60, Subpart J. You indicated that the AMP approval request is for the West Plant #5 Platformer Regenerator Purge Gas Streams, located at the Corpus Christi - West Plant, Texas facility, owned and operated by CITGO Refining and Chemicals Company L.P. ("CITGO").

Your AMP request letter, dated January 21, 2005, indicated that the #5 Platformer Regenerator Purge Gas Streams are refinery generated fuel gas streams. These vent gas streams are combusted in the #5 Platformer reactor Heater. You request the CEM requirement for H<sub>2</sub>S monitoring of these stream be waived. You propose that the gas stream be monitored using EPA guidance on alternative monitoring plans for low sulfur refinery fuel gas streams in lieu of an H<sub>2</sub>S CEM.

You stated that the #5 Platformer is a continuous catalytic reforming unit and converts low octane naptha to high octane gasoline blending components and petrochemical feedstock. The feed to the unit is heavy naptha that has been hydrotreated to remove sulfur. The target level is <0.5 ppmw sulfur in the #5 Platformer feed. You also supplied piping and instrumentation diagrams and a statement that there are no crossover or entry points for sour gas to enter the system. You propose to monitor the sulfur content of the feed stream to the #5 Platformer as an alternative parameter in lieu of an H<sub>2</sub>S CEM. You supplied 14 days of sample data for the H<sub>2</sub>S concentration of the recycle gas and the total sulfur content of the combined inlet feed stream to the #5 Platformer.

You stated that the #5 Platformer Feed is combined with hydrogen produced by the reforming process before entering the reforming reactors. A series of reactions promoted by the platinum catalyst converts the feed to reformatc. Hydrogen is also a product of the reformer. The catalyst is regenerated in a continuous process. Carrier gases, hydrogen from the process and purchased nitrogen are used in the catalyst circulation process. As a part of the catalyst

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transfer system, components are purges, pressurized, and depressurized. At the #5 Platformer regenerator, hydrogen containing purges are sent to one of four vent pots which in turn are sent to the Platformer Reactor Heater. These vent gas streams are combined with a fuel gas stream that is monitored with an H<sub>2</sub>S CEM before being combusted in the heater.

You stated that excessive sulfur in the #5 Platformer results in catalyst poisoning. Sulfur that is present in the feed will appear as H<sub>2</sub>S in the hydrogen recycle gas, which is sampled for as confirmation of the amount of sulfur in the feed. You estimated that 1 ppmw sulfur in the feed = 3 ppm H<sub>2</sub>S in the hydrogen recycle gas and the regenerator purge gas. A 5 ppmw total sulfur in the feed is expected to result in 15 ppm H<sub>2</sub>S in the recycle gas. You propose to monitor the total sulfur content of the feed to the #5 Platformer in lieu of an H<sub>2</sub>S CEM on the purge gas vent streams.

EPA Region 6 has reviewed the data you submitted. The H<sub>2</sub>S content of the 15 samples of the recycle gas varied from 0.8 ppm to a high of 1.5 ppm using stain tubes. The total sulfur content of the feed varied from 0 to 1.53 ppmw.

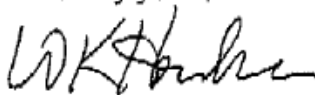
Based on the information that you submitted, the conditions stipulated in EPA policy guidance to Koch fuel, dated July 7, 2000, and pursuant to 40 CFR 60.13(l), EPA approves your request that no CEM need be installed for the purpose of monitoring the H<sub>2</sub>S in the #5 Platformer Regenerator Purge Gas Streams to the reformer heater. Instead, the total sulfur content of the combined feed to the #5 Platformer will serve as the alternative parameter. As a condition of this approval, CITGO will follow the steps below:

1. CITGO will monitor the total sulfur content of the feed to the #5 Platformer daily.
2. If the total sulfur content of the feed exceeds 5 ppmw, CITGO will begin H<sub>2</sub>S sampling the recycle hydrogen stream with Draeger tubes of the appropriate range, as detailed in the EPA policy memo to Koch Fuel. This sampling will be at a frequency of no less than once every 24 hours.
3. When the total sulfur content of the feed to the #5 Platformer falls below 5 ppm, CITGO may resume the use of that as an alternative parameter and return to the current step in the frequency of H<sub>2</sub>S monitoring schedule.

This approval of an AMP is based on the information submitted to EPA Region 6 on January 21, 2005. If any information is found that would reverse this determination, then it would become invalid and a new determination would be needed.

If you have any questions concerning this determination, please contact Ms. Anupa Ahuja of my staff at (214) 665-2701.

Sincerely yours,



William Honker  
Chief, Air/Toxics and Inspection  
Coordination Branch

cc: Allen Green  
CITGO  
1293 Eldridge Parkway  
Houston, Texas 77077

General Counsel  
CITGO  
1293 Eldridge Parkway  
Houston, Texas 77077

**Appendix A**

**Acronym List ..... 166**

## Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM	actual cubic feet per minute
AMOC	alternate means of control
ARP	Acid Rain Program
ASTM	American Society of Testing and Materials
B/PA	Beaumont/Port Arthur (nonattainment area)
CAM	Compliance Assurance Monitoring
CD	control device
CEMS	continuous emissions monitoring system
CFR	Code of Federal Regulations
COMS	continuous opacity monitoring system
CVS	closed vent system
D/FW	Dallas/Fort Worth (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G/B	Houston/Galveston/Brazoria (nonattainment area)
H <sub>2</sub> S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MACT	Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr	Million British thermal units per hour
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NESHAP	National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO <sub>x</sub>	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PEMS	predictive emissions monitoring system
PM	particulate matter
ppmv	parts per million by volume
PRO	process unit
PSD	prevention of significant deterioration
psia	pounds per square inch absolute
SIP	state implementation plan
SO <sub>2</sub>	sulfur dioxide
TCEQ	Texas Commission on Environmental Quality
TSP	total suspended particulate
TVP	true vapor pressure
U.S.C.	United States Code
VOC	volatile organic compound



**Appendix B**

**Major NSR Summary Table ..... 168**

**Major NSR Summary Table**

Permit Numbers: 7741A and PSDTX337M1					Issuance Date: 11/30/2011		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
H-99	Combined Heater Stack (6)	VOC	3.24	12.88	6, 10	6, 10	10
		NO <sub>x</sub>	70.70	281.12			
		SO <sub>2</sub>	15.82	63.00			
		PM <sub>10</sub> /PM <sub>2.5</sub>	1.12	4.45			
		CO	24.71	98.39			
565-B1	Boiler No. 1	VOC	0.63	2.51	7, 8, 9, 11	8, 11	8, 11
		NO <sub>x</sub>	13.10	52.00			
		SO <sub>2</sub>	2.93	11.65			
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.67	2.69			
		CO	3.81	15.16			
565-B2	Boiler No. 2	VOC	0.63	2.51	7, 8, 9, 11	8, 11	8, 11
		NO <sub>x</sub>	13.10	52.00			
		SO <sub>2</sub>	2.93	11.65			
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.67	2.69			
		CO	3.81	15.16			

**Major NSR Summary Table**

Permit Numbers: 7741A and PSDTX337M1					Issuance Date: 11/30/2011		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
EP-1	Continuous Regen Vent	HCl	0.08	0.36	10	10	10
		CL <sub>2</sub>	0.82	3.60			
F-99A	No. 5 Platformer Fugitives (5)	VOC	19.20	84.10	12, 13	12, 13	13
F-99B	Boiler Area Fugitives (5)	VOC	0.69	3.00			

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM<sub>10</sub>/PM<sub>2.5</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.  
 CO - carbon monoxide  
 HCl - hydrogen chloride  
 Cl<sub>2</sub> - chlorine
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Sources emitting through the Combined Heater Stack include 4 Platformer Charge Heaters (FINs 546-H-1, 546 H-2, 546-H-3, and 546-H-4), Platformer Depentanizer Heater (FIN 546-H-5), Platformer Aromatic Heater (FIN 546-H-6), Hydrotreater Charge Heater (FIN 547-H-1), and Hydrotreater Stripper Reboiler (FIN 547-H-2).

**Major NSR Summary Table**

Permit Numbers: 8778A and PSDTX408M3					Issuance Date: 11/26/2018		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
590-H-1	ULSD Charge Heater	CO	4.94	(7)	2, 11, 29, 33	2, 33, 39, 41, 42	2, 29, 33, 39
		NO <sub>x</sub>	2.41				
		PM	0.51				
		PM <sub>10</sub>	0.51				
		PM <sub>2.5</sub>	0.51				
		SO <sub>2</sub>	1.53				
		VOC	0.37				
590-H-2	ULSD Reboiler Heater	CO	4.74	(7)	2,11, 29, 33	2, 33, 39, 41, 42	2, 29, 33, 39
		NO <sub>x</sub>	2.31				
		PM	0.49				
		PM <sub>10</sub>	0.49				
		PM <sub>2.5</sub>	0.49				
		SO <sub>2</sub>	1.47				
		VOC	0.36				
590-HCAP	ULSD Heater Cap	CO		42.38	2, 29, 33	2, 33, 39, 41, 42	2, 29, 33, 39

**Major NSR Summary Table**

Permit Numbers: 8778A and PSDTX408M3					Issuance Date: 11/26/2018		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		NO <sub>x</sub>		20.67			
		PM		4.40			
		PM <sub>10</sub>		4.40			
		PM <sub>2.5</sub>		4.40			
		SO <sub>2</sub>		4.94			
		VOC		3.18			

**Major NSR Summary Table**

Permit Numbers: 8778A and PSDTX408M3					Issuance Date: 11/26/2018		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
521-H1	Coker Heater	CO	23.93	101.57	2, 29, 33, 36	2, 33, 36, 39, 41, 42	2, 29, 33, 36, 39
		NO <sub>x</sub>	20.34	86.33			
		PM	2.17	9.19			
		PM <sub>10</sub>	2.17	9.19			
		PM <sub>2.5</sub>	2.17	9.19			
		SO <sub>2</sub>	6.55	27.80			
		VOC	1.57	6.65			
527-H1	MDH Charge Heater	CO	5.10	22.35	2, 11, 29, 33	2, 33, 39, 41, 42	2, 29, 33, 39
		NO <sub>x</sub>	7.43	32.56			
		PM	0.46	2.02			
		PM <sub>10</sub>	0.46	2.02			
		PM <sub>2.5</sub>	0.46	2.02			
		SO <sub>2</sub> (6)	1.40	6.12			
		VOC	0.33	1.46			
527-H2	MDH Reboiler Heater	CO	6.78	29.68	2, 11, 29, 33	2, 33, 39, 41, 42	2, 29, 33, 39

**Major NSR Summary Table**

Permit Numbers: 8778A and PSDTX408M3					Issuance Date: 11/26/2018		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		NO <sub>x</sub>	9.87	43.25			
		PM	0.61	2.69			
		PM <sub>10</sub>	0.61	2.69			
		PM <sub>2.5</sub>	0.61	2.69			
		SO <sub>2</sub>	5.71	25.03			
		VOC	0.44	1.94			
552-S10	Sour Water Stripper Flare (8)	VOC	<0.01	0.01	2, 33	2, 33, 45	2, 33
		H <sub>2</sub> S	0.01	0.01			
		SO <sub>2</sub>	0.01	0.04			
		CO	0.08	0.37			
		NO <sub>x</sub>	0.04	0.18			
554-ME5	SRU Tail Gas Incinerator	CO	3.92	14.43	2, 10, 28, 30, 31, 33	2, 18, 28, 30, 31, 33, 34, 35, 38, 39, 40, 42	2, 27, 28, 30, 33, 37, 39
		COS	1.85	4.40			
		CS <sub>2</sub>	0.32	0.76			
		H <sub>2</sub> S	0.48	1.13			

**Major NSR Summary Table**

Permit Numbers: 8778A and PSDTX408M3					Issuance Date: 11/26/2018		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		NO <sub>x</sub>	3.50	9.20			
		PM	0.19	0.49			
		PM <sub>10</sub>	0.19	0.49			
		PM <sub>2.5</sub>	0.19	0.49			
		SO <sub>2</sub>	22.39	53.37			
		VOC	2.30	5.52			
555-S9	Acid Gas Flare (8)	VOC	<0.01	0.01	2, 33	2, 33, 45	2, 33
		H <sub>2</sub> S	0.01	0.01			
		SO <sub>2</sub>	0.01	0.04			
		CO	0.08	0.37			
		NO <sub>x</sub>	0.04	0.18			



**Major NSR Summary Table**

Permit Numbers: 8778A and PSDTX408M3					Issuance Date: 11/26/2018		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
574-ME-1	Process Emergency Flare (8)	VOC	<0.01	0.01	2, 33	2, 33	2, 33
		CO	0.10	0.46			
		NO <sub>x</sub>	0.01	0.06			
		SO <sub>2</sub>	<0.01	<0.01			
		H <sub>2</sub> S	<0.01	<0.01			
561-B3	No. 3 Boiler	CO	8.14	35.67	2, 33	2, 33	2, 33
		NO <sub>x</sub>	11.87	51.98			
		PM	0.74	3.23			
		PM <sub>10</sub>	0.74	3.23			
		PM <sub>2.5</sub>	0.74	3.23			
		SO <sub>2</sub>	2.23	9.76			
		VOC	0.53	2.34			
517-S14	MDHU Process Fugitives (5)	H <sub>2</sub> S	0.29	1.25	5, 13, 15, 16, 17	5, 13, 15, 16, 17	4, 5, 13, 15, 16
		NH <sub>3</sub>	0.01	0.04			
		VOC	5.63	24.68			

**Major NSR Summary Table**

Permit Numbers: 8778A and PSDTX408M3					Issuance Date: 11/26/2018		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
521-FCOKE	Coke Storage and Handling Facilities (5)	PM	3.99	17.48			
		PM <sub>10</sub>	3.99	17.48			
553-FUG	SRU Process Fugitives (5)	VOC	3.73	16.33	13, 15, 16	13, 15, 16	13, 15, 16
		H <sub>2</sub> S	0.33	1.43			
		NH <sub>3</sub>	0.30	0.85			
521-FUG	Coker Unit Fugitives (5)	VOC	35.88	157.34	5, 13, 17	5, 13, 17	5, 13
		H <sub>2</sub> S	0.80	3.60			
525/526FUG	WP Merox Fugitives (5)	VOC	8.51	37.27	5, 13, 16	5, 13, 16	5, 13, 16
		H <sub>2</sub> S	0.03	0.12			
FUG-FGS	Flare Gas Recovery Fugitives (5)	VOC	0.08	0.36	13	13	13
		CO	<0.01	<0.01			
		H <sub>2</sub> S	<0.01	0.03			

**Major NSR Summary Table**

Permit Numbers: 8778A and PSDTX408M3					Issuance Date: 11/26/2018		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
590-U590	ULSD Fugitives (5)	VOC	4.58	20.08	2, 13, 15, 16, 17	2, 13, 15, 16, 17	2, 13, 15, 16
		H <sub>2</sub> S	0.18	0.79			
		NH <sub>3</sub>	0.01	0.03			
API-1	CPI Separator	VOC	8.03	35.16	3	3	3
590-CT1	ULSD Cooling Tower (5)	VOC	0.13	0.55	6, 8	7, 8	8
		PM	0.34	1.48			
		PM <sub>10</sub>	0.34	1.48			
		PM <sub>2.5</sub>	0.34	1.48			
CT1	Cooling Tower 1 (5)	VOC	1.26	5.52	6, 8	7, 8	8
		PM	3.38	14.79			
521VentA	Coker A Drum 8" & 12" Steam Vents (9)	VOC	242.13		5	5, 42, 43	5
		Benzene	1.28				
		PM	35.72				
		PM <sub>10</sub>	35.72				
		PM <sub>2.5</sub>	35.72				

**Major NSR Summary Table**

Permit Numbers: 8778A and PSDTX408M3					Issuance Date: 11/26/2018		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lbs/hour	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
521VentB	Coker B Drum 8" & 12" Steam Vents (9)	VOC	242.13		5	5, 42, 43, 44	5
		Benzene	1.28				
		PM	35.72				
		PM <sub>10</sub>	35.72				
		PM <sub>2.5</sub>	35.72				
521VCAP	Annual Cap for Coker Drums A and B (10)	VOC		36.44	5	5, 42, 43, 44	5
		Benzene		0.30			
		PM		8.03			
		PM <sub>10</sub>		8.03			
		PM <sub>2.5</sub>		8.03			

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name Permit Numbers 8778A and PSDTX408M3.
- (3)
- CO - carbon monoxide
  - NO<sub>x</sub> - total oxides of nitrogen
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - SO<sub>2</sub> - sulfur dioxide
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - H<sub>2</sub>S - hydrogen sulfide
  - COS - carbonyl sulfide

CS<sub>2</sub> - carbon disulfide

NH<sub>3</sub> - ammonia

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (6) Includes 3.86 pounds an hour of SO<sub>2</sub> from burning the MEROX Unit vent gas. Merox vent gas contains 0.0056 mole sulfur per mole of vent gas.
- (7) The total annual emissions rate for the ULSD Charge Heater and the ULSD Reboiler Heater are limited to the annual cap indicated under EPN 590-HCAP.
- (8) Pilot emissions only.
- (9) Coker Drums A and B do not vent simultaneously.
- (10) Annual Emissions rate (TPY) is for Drums A and B combined.

Bryan W. Shaw, Ph.D., P.E., *Chairman*  
Toby Baker, *Commissioner*  
Zak Covar, *Commissioner*  
Richard A. Hyde, P.E., *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

May 27, 2015

MR KEVIN D MCGEE  
MANAGER OF ENVIRONMENTAL AFFAIRS  
CITGO REFINING AND CHEMICALS COMPANY LP  
PO BOX 9176  
CORPUS CHRISTI TX 78469-9176

Re: Permit Alteration  
Permit Number: 7741A  
Expiration Date: November 30, 2021  
CITGO Refining and Chemicals Company L.P.  
Corpus Christi Refinery West Plant  
Corpus Christi, Nueces County  
Regulated Entity Number: RN100238799  
Customer Reference Number: CN600127922  
Account Number: NE-0192-F  
Associated Permit Number: PSDTX337M1

Dear Mr. McGee:

This is in response to your letter received January 20, 2015. In accordance with Title 30 Texas Administrative Code §116.116(c), you have changed representations previously filed for Permit Number 7741A which include the installation of baffles in the wind box of Boiler 1 (emission point number 565-B1). These changes have been reviewed and the permit file has been updated. Please attach this letter to your permit.

You are reminded that these facilities must be in compliance with all rules and regulations of the Texas Commission on Environmental Quality (TCEQ) and of the U.S. Environmental Protection Agency at all times.

If you need further information or have any questions, please contact Mr. Jesse Lovegren at (512) 239-1284 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Mr. Kevin D McGee

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May 27, 2015

Re: Permit Number: 7741A

This action is taken under authority delegated by the Executive Director of TCEQ.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Wilson". The signature is fluid and cursive, with a large initial "M" and a long, sweeping underline.

Michael Wilson, P.E., Director

Air Permits Division

Office of Air

Texas Commission on Environmental Quality

MPW/jl

cc: Air Section Manager, Region 14 - Corpus Christi

Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental  
Protection Agency, Region 6, Dallas

Project Number: 227060



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY AIR QUALITY PERMIT



*A PERMIT IS HEREBY ISSUED TO*  
**Citgo Refining and Chemicals Company L.P.**  
*AUTHORIZING THE CONTINUED OPERATION OF*  
**West Plant No. 5 Platformer and Boiler Nos. 1 and 2**  
**LOCATED AT Corpus Christi, Nueces County, Texas**  
**LATITUDE 27° 48' 30" LONGITUDE 097° 35' 30"**

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code § 116.116 (30 TAC § 116.116)]
2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1) the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120(a), (b) and (c)]
3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]
4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify to the Chief Engineer's Office the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program).
5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]
6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]
8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)]
9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with §§ 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC § 116.115(b)(2)(G)]
10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
11. This permit may be appealed pursuant to 30 TAC § 50.139.
12. This permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
13. There may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
14. **Emissions** from this facility must not cause or contribute to a condition of "air pollution" as defined in TCAA § 382.003(3) or violate TCAA § 382.085, as codified in the Texas Health and Safety Code. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.

PERMIT 7741A and PSDTX337M1

Date: November 30, 2011

  
For the Commission



## Special Conditions

Permit Numbers 7741A and PSDTX337M1

### Emissions Limitations and Operating Schedule

1. This permit authorizes emissions only from those points listed in the attached table entitled A Emission Sources - Maximum Allowable Emission Rates@ and the facilities covered by this permit are authorized to emit subject to the emission rate limits on that table and other operating requirements specified in the special conditions. **(11/11)**

Non-fugitive emissions from relief valves, safety valves, or rupture discs of gases containing volatile organic compounds (VOC) at a concentration of greater than 1 percent are not authorized by this permit unless authorized on the maximum allowable emission rates table (MAERT). Any releases directly to atmosphere from relief valves, safety valves, or rupture discs of gases containing VOC at a concentration greater than 1 weight percent are not consistent with good practice for minimizing emissions.

2. The permittee is authorized to construct and operate in conformity with the specifications submitted to the U.S. Environmental Protection Agency (EPA) and the Texas Commission on Environmental Quality (TCEQ). The permittee is authorized to construct and operate subject to the following emission limitations. Where two emission limits with different bases are given for a single emission point and pollutant, the source shall not exceed either limit at any time. **(PSD)**

Emission Point	Maximum Allowable Emissions Sulfur Dioxide	Maximum Allowable Emissions Oxides of Nitrogen (NO <sub>x</sub> )
a. Platformer Charge Heaters, 546-H-1, 546 H-2, 546-H-3, 546-H-4 (total maximum hourly heat input 442.61 MMBTU/hr)	11.9 lbs/hr; (0.0269 lb/MMBTU)	53.1 lbs/hr (0.12 lb/MMBTU)
b. Platformer Depentanizer Heater, 546-H-5 (30.60 MMBTU/hr maximum hourly heat input )	0.82 lbs/hr; (0.0269 lb/MMBTU)	3.7 lbs/hr; (0.12 lb/MMBTU)
c. Platformer Aromatic Heater, 546-H-6 (22.96 MMBTU/hr maximum hourly heat input)	0.62 lbs/hr; (0.0269 lb/MMBTU)	2.8 lbs/hr; (0.12 lb/MMBTU)
d. Hydrotreater Charge Heater, 547-H-1 (54.86 MMBTU/hr maximum hourly heat input )	1.48 lbs/hr; (0.0269 lb/MMBTU)	6.6 lbs/hr; (0.12 lb/MMBTU )
e. Hydrotreater Stripper Reboiler, 547-H-2 (37.32 MMBTU/hr maximum hourly heat input)	1.00 lbs/hr; (0.0269 lb/MMBTU)	4.5 lbs/hr; (0.12 lb/MMBTU )
f. Boiler No. 1, 565-B1 (108.79 MMBTU/hr maximum heat input)	2.93 lbs/hr; (0.0269 lb/MMBTU)	13.1 lbs/hr; (0.12 lb/MMBTU )
g. Boiler No. 2, 565-B2 (108.79 MMBTU/hr maximum hourly heat input)	2.93 lbs/hr; (0.0269 lb/MMBTU)	13.1 lbs/hr; (0.12 lb/MMBTU)

## Special Conditions

Permit Numbers 7741A and PSDTX337M1

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3. Fuel for these facilities shall be fuel gas containing no more than 0.1 grain of hydrogen sulfide per dry standard cubic foot. **(06/01)**
4. Emissions of carbon monoxide (CO) from the Vent Emission Point No. (EPN) H-99 shall not exceed 50 ppmvd CO corrected to 3 percent oxygen on an hourly average. **(11/11)**
5. Compliance with EPN EP-1 hydrogen chloride MAERT emissions limits from the operation of the No. 5 Platformer Regenerator, moving-bed gas-solid adsorption system (e.g., Chlorsorb™ System), shall be demonstrated by meeting the following requirements: **(11/11)**

The daily average temperature of the gas entering or exiting the adsorption system must not exceed the limit established during the most recent stack sampling. The weekly average chloride level on the sorbent entering the adsorption system must not exceed the design or manufacturer's recommended limit (1.35 weight percent); and the weekly average chloride level on the sorbent leaving the adsorption system must not exceed the design or manufacturer's recommended limit (1.8 weight percent). Additional stack sampling of EPN EP-1 to establish new temperature limits shall be performed in accordance with the requirements of Special Condition No. 10.

## Federal Applicability

6. These facilities shall comply with all applicable requirements of EPA regulations on Standards of Performance for New Stationary Sources promulgated for Petroleum Refineries and Storage Vessels for Petroleum Liquids in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subparts A, J, and Ka. **(PSD)**

## Initial Determination of Compliance for Boilers No. 1 and 2

7. Sampling ports and platform(s) shall be incorporated into the design of the combined heater stack according to the specifications set forth in the attachment entitled AChapter 2, Stack Sampling Facilities.@ Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Director in Austin. **(PSD)**
8. The holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the Boilers No. 1 and 2 (Emission Point Nos. [EPNs] 565-B1 and 565-B2). The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Sampling shall be

conducted in accordance with the appropriate procedures of the TCEQ Sampling Procedures Manual and in accordance with the appropriate EPA Reference Methods.

- A. The TCEQ Corpus Christi Regional Office shall be contacted as soon as testing is scheduled, but not less than 45 days prior to sampling to schedule a pretest meeting.

The notice shall include:

- (1) Date for pretest meeting.
- (2) Date sampling will occur.
- (3) Name of firm conducting sampling.
- (4) Type of sampling equipment to be used.
- (5) Method or procedure to be used in sampling.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports. A written proposed description of any deviation from sampling procedures specified in permit conditions, TCEQ, or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Air, Air Permits Division in Austin. Test waivers and alternate/equivalent procedure proposals for New Source Performance Standards (NSPS) testing which must have EPA approval shall be submitted to the TCEQ Regional Director.

- B. Air contaminants emitted from the Boilers No. 1 and 2 (EPNs 565-B1 and 565-B2) to be tested for include (but are not limited to) NO<sub>x</sub>.
- C. Sampling shall occur within 60 days after initial start-up of the facilities and at such other times as may be required by the Executive Director of the TCEQ. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office. Additional time to comply with the applicable requirements of 40 CFR 60 and 40 CFR 61 requires EPA approval, and requests shall be submitted to the TCEQ Regional Director.
- D. The plant shall operate at maximum production rates during stack emission testing. Primary operating parameters that enable determination of production rates shall be monitored and recorded during the stack test. These parameters shall be determined at the pretest meeting and shall be stated in the sampling report. If the plant is unable

to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher production rates are achieved.

- E. days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

One copy to the TCEQ Corpus Christi Regional Office.

One copy to the TCEQ Office of Air, Air Permits Division in Austin. **(PSD)**

9. The permittee shall determine the emissions of NO<sub>x</sub> and carbon monoxide (CO) from the Boiler Nos. 1 and 2 (EPNs 565-B1 and 565-B2) in accordance with the test methods set out in 40 CFR Part 60, Appendix A, Methods 7 and 10, respectively. These emissions determinations shall be made at:

- A. Maximum design capacity; and  
B. Normal operational load. **(PSD)**

Initial Determination of Compliance for Vent EPN H-99 and Vent EPN EP-1

10. The permit holder shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the H-99 vent and the Continuous Regeneration Vent, EPN EP-1 to demonstrate compliance with the MAERT. The permit holder is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Sampling shall be conducted in accordance with the appropriate procedures of the TCEQ Sampling Procedures Manual and the EPA Reference Methods. **(11/11)**

Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Air, Air Permits Division. Test waivers and alternate/equivalent procedure proposals for 40 CFR Part 60 testing which must have EPA approval shall be submitted to the TCEQ Regional Director.

- A. The appropriate TCEQ Regional Office shall be notified not less than 45 days prior to sampling. The notice shall include:

- (1) Proposed date for pretest meeting.
- (2) Date sampling will occur.
- (3) Name of firm conducting sampling.
- (4) Type of sampling equipment to be used.
- (5) Method or procedure to be used in sampling.
- (6) Description of any proposed deviation from the sampling procedures specified in this permit or TCEQ/EPA sampling procedures.
- (7) Procedure/parameters to be used to determine worst case emissions at maximum firing rate and normal operations load during the sampling period.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for the test reports. The TCEQ Regional Director must approve any deviation from specified sampling procedures.

- B. Air contaminants emitted from the EPN H-99 to be tested for include (but are not limited to) CO. Air contaminants emitted from the EPN EP-1 to be tested for include (but are not limited to) HCl.
- C. Sampling of EPN H-99 shall occur within 60 days after achieving the maximum operating rate, but no later than 180 days after initial start-up of the facilities, or 180 days after the issue date of the amendment received by the TCEQ on May 5, 2011. Additional sampling of EPN H-99 and EPN EP-1 may be required at the discretion of the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the appropriate regional office.

*EPN EP-1 was stack sampled in June 2005.*

- D. The facility being sampled shall operate at the firing rate expected to cause maximum emissions for each air contaminant required to be tested during stack emission testing. These conditions/parameters and any other primary operating parameters that affect the emission rate shall be monitored and recorded during the stack test. Any additional parameters shall be determined at the pretest meeting and shall be stated in the sampling report. Permit conditions and parameter limits may be waived during

stack testing performed under this condition if the proposed condition/parameter range is identified in the test notice specified in paragraph A and accepted by the TCEQ Regional Office. Permit allowable emissions and emission control requirements are not waived and still apply during stack testing periods.

During subsequent operations, if the maximum firing rate is greater than that recorded during the test period, stack sampling shall be performed at the new operating conditions within 120 days. This sampling may be waived by the TCEQ Air Section Manager for the region.

- E. Copies of the final sampling report shall be forwarded to the offices below within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions entitled "Chapter 14, Contents of Sampling Reports" of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:

One copy to the appropriate TCEQ Corpus Christi Regional Office.  
One copy to each local air pollution control program.

Sampling ports and platforms shall be incorporated into the design of H-99 according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities" of the TCEQ Sampling Procedures Manual. Alternate sampling facility designs must be submitted for approval to the TCEQ Regional Director.

#### Continuous Determination of Compliance for Boiler Nos. 1 and 2

11. The permittee shall maintain a continuous oxygen monitor in both flues of Boiler Nos. 1 and 2 which meets the requirements of 40 CFR Part 60, Appendix B, Performance Specification 3. Emission determinations which are correlated to the flue gas oxygen content are defined as:
- A. The point at which NO<sub>x</sub> emissions equal the allowable NO<sub>x</sub> emission rate contained in the permit which is 2.0 percent dry for Boiler No. 1 and 3.0 percent dry for Boiler No. 2.
- B. The point at which CO emissions equal the allowable CO emission rate contained in the permit which is 0.5 percent dry for Boiler No. 1 and Boiler No. 2.

The flue gas oxygen content shall be maintained between these points, and alarms shall be set to sound when flue gas oxygen levels exceed either side of this range. An hourly average oxygen content which is outside of this range shall be recorded, and records shall be maintained for a minimum of two years and shall be reported quarterly along with excess emissions in accordance with 40 CFR ' 60.7(c).

Should any combustion equipment modifications be made such as different type burners, combustion air relocation, fuel conversion, tube removal, or addition, etc., emissions correlations as described above shall be conducted within 60 days of attaining full operation after such modification. **(PSD)**

12. Piping, Valves, Connectors, Pumps, Agitators, and Compressors in Non-Benzene VOCs Service - 28M

- A. The requirements of paragraphs F and G shall not apply (1) where the VOC has an aggregate partial pressure or vapor pressure of less than 0.5 pound per square inch, absolute (psia) at 100°F or at maximum process operating temperature if less than 100°F or (2) where the operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list or by one of the methods described below to be made readily available upon request. **(11/11)**

The exempted components may be identified by one or more of the following methods:

- (1) piping and instrumentation diagram (PID);
  - (2) a written or electronic database or electronic file;
  - (3) color coding;
  - (4) a form of weatherproof identification; or
  - (5) designation of exempted process unit boundaries.
- B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.
- C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical. New and reworked buried connectors shall be welded.

- D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Difficult-to-monitor and unsafe-to-monitor valves, as defined by Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made readily available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in subparagraph A above. If an unsafe-to-monitor component is not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe-to-monitor times. A difficult-to-monitor component for which quarterly monitoring is specified may instead be monitored annually.
- E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. Gas or hydraulic testing of the new and reworked piping connections at no less than operating pressure shall be performed prior to returning the components to service or they shall be monitored for leaks using an approved gas analyzer within 15 days of the components being returned to service. Adjustments shall be made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

Each open-ended valve or line shall be equipped with an appropriately sized cap, blind flange, plug, or a second valve to seal the line. Except during sampling, both valves shall be closed. If the isolation of equipment for hot work or the removal of a component for repair or replacement results in an open ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period;

- (1) a cap, blind flange, plug, or second valve must be installed on the line or valve;  
or
- (2) the open-ended valve or line shall be monitored once for leaks above background for a plant or unit turnaround lasting up to 45 days with an approved gas analyzer and the results recorded. For all other situations, the open-ended valve or line shall be monitored once by the end of the 72 hours period following the creation of the open ended line and monthly thereafter with an approved gas analyzer and the results recorded. For turnarounds and all other situations, leaks are indicated by readings of 500 ppmv and must be repaired



within 24 hours or a cap, blind flange, plug, or second valve must be installed on the line or valve.

- F. Accessible valves shall be monitored by leak-checking for fugitive emissions at least quarterly using an approved gas analyzer. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. For valves equipped with rupture discs, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

A check of the reading of the pressure-sensing device to verify disc integrity shall be performed at least quarterly and recorded in the unit log or equivalent. Pressure-sensing devices that are continuously monitored with alarms are exempt from recordkeeping requirements specified in this paragraph.

The gas analyzer shall conform to requirements listed in Method 21 of 40 CFR Part 60, Appendix A. The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs are being monitored, the response factor shall be calculated for the average composition of the process fluid. A calculated average is not required when all of the compounds in the mixture have a response factor less than 10 using methane. If a response factor less than 10 cannot be achieved using methane, then the instrument may be calibrated with one of the VOC to be measured or any other VOC so long as the instrument has a response factor of less than 10 for each of the VOC to be measured.

- G. Except as may be provided for in the special conditions of this permit, all pump, compressor and agitator seals shall be monitored with an approved gas analyzer at least quarterly or be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Seal systems designed and operated to prevent emissions or seals equipped with an automatic seal failure detection and alarm system need not be monitored. Seal systems that prevent emissions may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure or seals degassing to vent control systems kept in good working order.

Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.

- H. Damaged or leaking valves, connectors, compressor seals, agitator seals, and pump seals found to be emitting VOC in excess of 10,000 parts per million by volume (ppmv) or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. A first attempt to repair the leak must be made within 5 days. Records of the first attempt to repair shall be maintained. A leaking component shall be repaired as soon as practicable, but no later than 15 days after the leak is found. If the repair of a component would require a unit shutdown, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging. At the discretion of the TCEQ Executive Director or designated representative, early unit shutdown or other appropriate action may be required based on the number and severity of tagged leaks awaiting shutdown.
  - I. Records of repairs shall include date of repairs, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of instrument monitoring shall indicate dates and times, test methods, and instrument readings. The instrument monitoring record shall include the time that monitoring took place for no less than 95% of the instrument readings recorded. Records of physical inspections shall be noted in the operator's log or equivalent.
  - J. Fugitive emission monitoring required by an applicable New Source Performance Standard (NSPS), 40 CFR Part 60, or an applicable National Emission Standard for Hazardous Air Pollutants (NESHAPS), 40 CFR Part 61, may be used in lieu of Items F through I of this condition.
  - K. Compliance with the requirements of this condition does not assure compliance with requirements of NSPS or NESHAPS and does not constitute approval of alternate standards for these regulations.
13. Piping, Valves, Connectors, Pumps, Agitators and Compressors, in Benzene Service - Intensive Directed Maintenance - 28MID

Except as may be provided for in the special conditions of this permit, the following requirements apply to the above-referenced equipment: **(11/11)**

- A. The requirements of paragraphs F and G shall not apply (1) for components not in benzene service or (2) where the volatile organic compounds (VOC) has an aggregate partial pressure or vapor pressure of less than 0.044 psia at 68°F or (3) where the operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list or by one of the methods described below to be made available upon request.

The exempted components may be identified by one or more of the following methods:

- (1) piping and instrumentation diagram (PID);
  - (2) a written or electronic database or electronic file;
  - (3) color coding;
  - (4) a form of weatherproof identification; or
  - (5) designation of exempted process unit boundaries.
- B. Construction of new and reworked piping, valves, pump systems, agitators, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.
- C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical. New and reworked buried connectors shall be welded.
- D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Difficult-to-monitor and unsafe-to-monitor valves, as defined by 30 TAC Chapter 115, shall be identified in a list to be made available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in subparagraph A above.
- E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. Gas or hydraulic testing of the new and reworked piping connections at no less than operating pressure shall be performed prior to returning the components to service or they shall be monitored for leaks using an approved gas analyzer within 15 days of the components being returned to service. Adjustments shall be made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

Each open-ended valve or line shall be equipped with an appropriately sized cap, blind flange, plug, or a second valve to seal the line. Except during sampling, both valves shall be closed. If the isolation of equipment for hot work or the removal of a component for repair or replacement results in an open ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 72 hours. If the repair or replacement is not completed within 72 hours, the permit holder must complete either of the following actions within that time period;

- (1) a cap, blind flange, plug, or second valve must be installed on the line or valve;  
or
- (2) the open-ended valve or line shall be monitored once for leaks above background for a plant or unit turnaround lasting up to 45 days with an approved gas analyzer and the results recorded. For all other situations, the open-ended valve or line shall be monitored once by the end of the 72 hours period following the creation of the open ended line and monthly thereafter with an approved gas analyzer and the results recorded. For turnarounds and all other situations, leaks are indicated by readings of 500 ppmv and must be repaired within 24 hours or a cap, blind flange, plug, or second valve must be installed on the line or valve.

- F. Accessible valves shall be monitored by leak-checking for fugitive emissions at least quarterly using an approved gas analyzer with a directed maintenance program. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. For valves equipped with rupture discs, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

A check of the reading of the pressure-sensing device to verify disc integrity shall be performed at least quarterly and recorded in the unit log or equivalent. Pressure-sensing devices that are continuously monitored with alarms are exempt from recordkeeping requirements specified in this paragraph.

An approved gas analyzer shall conform to requirements listed in Method 21 of 40 CFR Part 60, Appendix A. The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs are being monitored, the response factor shall be calculated for the average

composition of the process fluid. A calculated average is not required when all of the compounds in the mixture have a response factor less than 10 using methane. If a response factor less than 10 cannot be achieved using methane, then the instrument may be calibrated with one of the VOC to be measured or any other VOC so long as the instrument has a response factor of less than 10 for each of the VOC to be measured.

A directed maintenance program shall consist of the repair and maintenance of components assisted simultaneously by the use of an approved gas analyzer such that a minimum concentration of leaking VOC is obtained for each component being maintained. A first attempt to repair the leak must be made within 5 days. Records of the first attempt to repair shall be maintained. Replaced components shall be re-monitored within 15 days of being placed back into VOC service.

- G. All new and replacement pumps, compressors, and agitators shall be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. These seal systems need not be monitored and may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.

All other pump, compressor, and agitator seals shall be monitored with an approved gas analyzer at least quarterly.

- H. Damaged or leaking valves, connectors, compressor seals, pump seals, and agitator seals found to be emitting VOC in excess of 500 parts per million by volume (ppmv) or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. A leaking component shall be repaired as soon as practicable, but no later than 15 days after the leak is found. If the repair of a component would require a unit shutdown that would create more emissions than the repair would eliminate, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging. A listing of all components that qualify for delay of repair shall be maintained on a delay of repair list. The cumulative daily emissions from all components on the delay of repair list shall be estimated by multiplying by 24 the mass emission rate for each component calculated in

accordance with the instructions in 30 TAC § 115.782(c)(1)(B)(i)(II). The calculations of the cumulative daily emissions from all components on the delay of repair list shall be updated within ten days of when the latest leaking component is added to the delay of repair list. When the cumulative daily emission rate of all components on the delay of repair list times the number of days until the next scheduled unit shutdown is equal to or exceeds the total emissions from a unit shutdown as calculated in accordance with 30 TAC § 115.782(c)(1)(B)(i)(I), the TCEQ Regional Manager and any local programs shall be notified and may require early unit shutdown or other appropriate action based on the number and severity of tagged leaks awaiting shutdown. This notification shall be made within 15 days of making this determination.

- I. In lieu of the monitoring frequency specified in paragraph F, valves in gas and light liquid service may be monitored on a semiannual basis if the percent of valves leaking for two consecutive quarterly monitoring periods is less than 0.5 percent.

Valves in gas and light liquid service may be monitored on an annual basis if the percent of valves leaking for two consecutive semiannual monitoring periods is less than 0.5 percent.

If the percent of valves leaking for any semiannual or annual monitoring period is 0.5 percent or greater, the facility shall revert to quarterly monitoring until the facility again qualifies for the alternative monitoring schedules previously outlined in this paragraph.

- J. The percent of valves leaking used in paragraph I shall be determined using the following formula:

$$(Vl + Vs) \times 100/Vt = Vp$$

Where:

- Vl = the number of valves found leaking by the end of the monitoring period, either by Method 21 or sight, sound, and smell.
- Vs = the number of valves for which repair has been delayed and are listed on the facility shutdown log.

$V_t$  = the total number of valves in the facility subject to the monitoring requirements, as of the last day of the monitoring period, not including nonaccessible and unsafe-to-monitor valves.

$V_p$  = the percentage of leaking valves for the monitoring period.

- K. Records of repairs shall include date of repairs, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of instrument monitoring shall indicate dates and times, test methods, and instrument readings. The instrument monitoring record shall include the time that monitoring took place for no less than 95% of the instrument readings recorded. Records of physical inspections shall be noted in the operator's log or equivalent.
- L. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable New Source Performance Standard, or an applicable National Emission Standard for Hazardous Air Pollutants and does not constitute approval of alternative standards for these regulations.

Dated: November 30, 2011

## Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 7741A and PSDTX337M1

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

### Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
H-99	Combined Heater Stack (6)	VOC	3.24	12.88
		NO <sub>x</sub>	70.70	281.12
		SO <sub>2</sub>	15.82	63.00
		PM <sub>10</sub> /PM <sub>2.5</sub>	1.12	4.45
		CO	24.71	98.39
565-B1	Boiler No. 1	VOC	0.63	2.51
		NO <sub>x</sub>	13.10	52.00
		SO <sub>2</sub>	2.93	11.65
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.67	2.69
		CO	3.81	15.16
565-B2	Boiler No. 2	VOC	0.63	2.51
		NO <sub>x</sub>	13.10	52.00
		SO <sub>2</sub>	2.93	11.65
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.67	2.69
		CO	3.81	15.16
EP-1	Continuous Regen Vent	HCl	0.08	0.36
		CL <sub>2</sub>	0.82	3.60
F-99A	No. 5 Platformer Fugitives (5)	VOC	19.20	84.10
F-99B	Boiler Area Fugitives (5)	VOC	0.69	3.00



Emission Sources - Maximum Allowable Emission Rates

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM<sub>10</sub>/PM<sub>2.5</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.  
CO - carbon monoxide  
HCl - hydrogen chloride  
Cl<sub>2</sub> - chlorine
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Sources emitting through the Combined Heater Stack include 4 Platformer Charge Heaters (FINs 546-H-1, 546 H-2, 546-H-3, and 546-H-4), Platformer Depentanizer Heater (FIN 546-H-5), Platformer Aromatic Heater (FIN 546-H-6), Hydrotreater Charge Heater (FIN 547-H-1), and Hydrotreater Stripper Reboiler (FIN 547-H-2).

Date: November 30, 2011



## Texas Commission on Environmental Quality Air Quality Permit

*A Permit Is Hereby Issued To*  
**CITGO Refining and Chemicals Company L.P.**  
*Authorizing the Construction and Operation of*  
**Corpus Christi Refinery West Plant**  
*Located at* **Corpus Christi, Nueces County, Texas**  
*Latitude* 27° 48' 48" *Longitude* -97° 29' 44"

Permits: 8778A and PSDTX408M3

Amendment Date: November 26, 2018

Expiration Date: February 26, 2024

  
\_\_\_\_\_  
For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code (TAC) Section 116.116 (30 TAC § 116.116)] <sup>1</sup>
2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1) the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120]
3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]
4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]
5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]
6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and

operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]

8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources-- Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)] <sup>1</sup>
9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC§ 116.115(b)(2)(G)]
10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to "air pollution" as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit. <sup>1</sup>

<sup>1</sup> Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

## **Special Conditions**

Permit Numbers 8778A and PSDTX408M3

### **Emissions Standards**

1. This permit authorizes emissions only from those points listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and the facilities covered by this permit are authorized to emit subject to the emission rate limits on that table and other operating conditions specified in the special conditions.

### **Federal Program Applicability**

2. This facility shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources (NSPS) promulgated for the following:
  - A. Petroleum Refineries in Title 40 Code of Federal Regulations (40 CFR) Part 60, Subparts A and J. Title 40 Code of Federal Regulations (40 CFR) Part 60 Subpart Ja only applies to the two USDL heaters (EPNs 590-H-1 and 590-H-2), and the Process Emergency Flare (574-ME-1). **(10/18)**
  - B. Equipment leaks of VOCs from Petroleum Refineries in Title 40 Code of Federal Regulations (40 CFR) Part 60, Subparts A and GGG apply to the ULSD unit.
  - C. Petroleum Refinery Wastewater Systems in Title 40 Code of Federal Regulations (40 CFR) Part 60, Subparts A and QQQ apply to the ULSD unit.
3. This facility shall comply with all applicable requirements of the EPA regulations on National Emission Standards for Hazardous Air Pollutants (NESHAPS) for Source Categories promulgated for Petroleum Refineries in 40 CFR Part 63, Subparts A and CC.

### **Emissions Controls and Operating Limitations**

4. Non-fugitive emissions from relief valves, safety valves, or rupture discs of gases containing volatile organic compounds (VOC) at a concentration of greater than 1 percent are not authorized by this permit unless authorized on the maximum allowable emission rates table (MAERT). Any releases directly to atmosphere from relief valves, safety valves, or rupture discs of gases containing VOC at a concentration greater than 1 weight percent are not consistent with good practice for minimizing emissions.
5. The total throughput for the delayed coking unit shall not exceed 46,034 barrels per stream day (BPSD) and 15,079,205 barrels per year (BPY).
6. The cooling tower water associated with Emission Point Nos. (EPNs) CT1 and 590-CT1 shall be monitored monthly for VOC leakage from heat exchangers in accordance with the requirements of the TCEQ Sampling Procedures Manual, Appendix P (dated January 2003 or a later edition) or another air stripping method approved by the TCEQ Executive Director.
7. Cooling water VOC concentrations above 0.08 ppmw indicate faulty equipment. Equipment shall be maintained so as to minimize VOC emissions into the cooling water. Faulty equipment shall be repaired at the earliest opportunity but no later than the next scheduled shutdown of the process unit in which the leak occurs.

Emissions from the cooling tower are not authorized if the VOC concentration of the water returning to the cooling tower exceeds 0.80 ppmw. The VOC concentrations above 0.80 ppmw are not subject to extensions for delay of repair under this permit condition. The results of the monitoring and maintenance efforts shall be recorded.

8. The cooling towers (EPNs CT1 and 590-CT1) shall be operated and monitored in accordance with the following:
  - A. Each cooling tower shall be equipped with drift eliminators having manufacturer's design assurance of 0.005% drift or less. Drifts eliminators shall be maintained and inspected at least annually. The permit holder shall maintain records of all inspections and repairs.
  - B. Total dissolved solids (TDS) shall not exceed 4,500 parts per million by weight (ppmw). Dissolved solids in the cooling water drift are considered to be emitted as PM, PM<sub>10</sub>, and PM<sub>2.5</sub> as represented in the permit application calculations.
  - C. Cooling water shall be sampled at least once per week for TDS.
  - D. Cooling water sampling shall be representative of the cooling tower feed water and shall be conducted using approved methods.
    - (1) The analysis method for TDS shall be EPA Method 160.1, ASTM D5907, and SM 2540 C [SM - 19th edition of Standard Methods for Examination of Water]. Water samples should be capped upon collection, and transferred to a laboratory area for analysis. Short term and annual average emission rates of PM, PM<sub>10</sub> and PM<sub>2.5</sub> shall be calculated using the measured TDS, the design drift rate and the daily maximum and average actual cooling water circulation rate. Alternately, the design maximum circulation rate may be used for all calculations.
    - (2) Alternate sampling and analysis methods may be used to comply with D(1) with written approval from the TCEQ Regional Director.
    - (3) Records of all instrument calibrations and test results and process measurements used for the emission calculations shall be retained.
  - E. Emission rates of PM, PM<sub>10</sub> and PM<sub>2.5</sub> shall be calculated using the measured TDS, the design drift rate and the daily maximum and average actual cooling water circulation rate for the short term and annual average rates. Alternately, the design maximum circulation rate may be used for all calculations. Emission records shall be updated monthly.
9. The facilities listed below shall not exceed the production rates listed below for each unit.

Unit	Short-Term and Annual Production Rates	
Mixed Distillate Hydrotreater (MDH)	60,500 BPSD	20,075,000 BPY
Sulfur Recovery Unit (SRU)	200 LTPD (Long ton per day)	
Gasoline Merox Unit	2,750 BPSD	912,500 BPY
Liquefied Petroleum Gas (LPG) Merox Unit	5,500 BPSD	1,825,000 BPY

10. Visible emissions from the Tail Gas Incinerator Stack (EPN 554 ME5) shall not exceed 10 percent opacity averaged over a six-minute period as determined by the EPA Reference Method 9, except for those periods described in Title 30 Texas Administrative Code (30 TAC) § 111.111 (a)(1)(E).

11. Visible emissions from each charge heater and reboiler heater exhaust stack shall not exceed 10 percent opacity averaged over a six-minute period as determined by the EPA Reference Method 9, except for those periods described in 30 TAC § 111.111 (a)(1)(E).
12. Solvent use in the Shell Claus Off-Gas Treating (SCOT) Unit is limited to monodiethanolamine. Use of any other solvent for normal operation or standby purposes requires prior authorization from the TCEQ Executive Director.
13. Piping, Valves, Connectors, Pumps, Agitators, and Compressors - 28VHP

Except as may be provided for in the special conditions of this permit, the following requirements apply to the above-referenced equipment:

- A. These conditions shall not apply (1) where the VOC has an aggregate partial pressure or vapor pressure of less than 0.044 psia at 68 F or (2) operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this condition shall be identified in a list or by one of the methods described below to be made readily available upon request.  
  
The exempted components may be identified by one or more of the following methods:
  - (1) piping and instrumentation diagram (PID); or
  - (2) a written or electronic database.
- B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.
- C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical. New and reworked buried connectors shall be welded.
- D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak checking during plant operation. Difficult-to-monitor and unsafe-to-monitor valves, as defined by 30 TAC Chapter 115, shall be identified in a list to be made readily available upon request. The difficult-to-monitor and unsafe-to-monitor valves may be identified by one or more of the methods described in subparagraph A above. If an unsafe to monitor component is not considered safe to monitor within a calendar year, then it shall be monitored as soon as possible during safe to monitor times. A difficult to monitor component for which quarterly monitoring is specified may instead be monitored annually.
- E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. Gas or hydraulic testing of the new and reworked piping connections at no less than operating pressure shall be performed prior to returning the components to service or they shall be monitored for leaks using an approved gas analyzer within 15 days of the components being returned to service. Adjustments shall be made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

Each open-ended valve or line shall be equipped with an appropriate sized cap, blind flange, plug, or a second valve to seal the line so that no leakage occurs. Except during sampling, both valves of a double block valve sampling system shall be closed. If the removal of a component for repair or replacement results in an open ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 24 hours. If the repair or replacement is not completed within 24 hours, the line or valve must have a cap, blind flange, plug, or second valve installed.

- F. Accessible valves shall be monitored by leak checking for fugitive emissions at least quarterly using an approved gas analyzer. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. For valves equipped with rupture discs, a pressure-sensing device shall be installed between the relief valve and rupture disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

A check of the reading of the pressure-sensing device to verify disc integrity shall be performed weekly and recorded in the unit log.

The gas analyzer shall conform to requirements listed in Method 21 of 40 CFR Part 60, Appendix A. The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs is being monitored, the response factor shall be calculated for the average composition of the process fluid. If a response factor less than 10 cannot be achieved using methane, then the instrument may be calibrated with one of the VOC to be measured or any other VOC so long as the instrument has a response factor of less than 10 for each of the VOC to be measured.

Replacements for leaking components shall be re-monitored within 15 days of being placed back into VOC service.

- G. Except as may be provided for in the special conditions of this permit, all pump, compressor, and agitator seals shall be monitored with an approved gas analyzer at least quarterly or be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Seal systems designed and operated to prevent emissions or seals equipped with an automatic seal failure detection and alarm system need not be monitored. These seal systems may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure, seals degassing to vent control systems kept in good working order, or seals equipped with an automatic seal failure detection and alarm system. Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.
- H. Damaged or leaking valves or connectors found to be emitting VOC in excess of 500 parts per million by volume (ppmv) or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Damaged or leaking pump, compressor, and agitator seals found to be emitting VOC in excess of 2,000 ppmv or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. A first attempt to repair the leak must be made within 5 days. Records of the first attempt to repair shall be maintained.
- I. Every reasonable effort shall be made to repair a leaking component, as specified in this paragraph, within 15 days after the leak is found. If the repair of a component would require a unit shutdown that would create more emissions than the repair would eliminate, the repair

may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging within 15 days of the detection of the leak. A listing of all components that qualify for delay of repair shall be maintained on a delay of repair list. The cumulative daily emissions from all components on the delay of repair list shall be estimated by multiplying by 24 the mass emission rate for each component calculated in accordance with the instructions in 30 TAC § 115.782(c)(1)(B)(i)(II). The calculations of the cumulative daily emissions from all components on the delay of repair list shall be updated within ten days of when the latest leaking component is added to the delay of repair list. When the cumulative daily emission rate of all components on the delay of repair list times the number of days until the next scheduled unit shutdown is equal to or exceeds the total emissions from a unit shutdown as calculated in accordance with 30 TAC § 115.782(c)(1)(B)(i)(I), the TCEQ Regional Manager and any local programs shall be notified and may require early unit shutdown or other appropriate action based on the number and severity of tagged leaks awaiting shutdown. This notification shall be made within 15 days of making this determination.

- J. Records of repairs shall include date of repairs, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of instrument monitoring shall indicate dates and times, test methods, and instrument readings. Records of physical inspections shall be noted in the operators log or equivalent.
  - K. Alternative monitoring frequency schedules of 30 TAC " 115.352 - 115.359 or National Emission Standards for Organic Hazardous Air Pollutants, 40 CFR Part 63, Subpart H, may be used in lieu of Items F through G of this condition.
  - L. Compliance with the requirements of this condition does not assure compliance with requirements of 30 TAC Chapter 115, an applicable New Source Performance Standard (NSPS), or an applicable National Emission Standard for Hazardous Air Pollutants (NESHAPS) and does not constitute approval of alternative standards for these regulations.
14. Agitators that are affixed to fixed-roof storage tanks are exempt from the requirements stipulated in Special Condition No. 13.G and H. The requirement to estimate cumulative daily emissions from all components in the delay of repair list as stipulated in Special Condition No. 13. I shall only apply to components in the ULSD Unit (EPN 590-U590).
15. Process Piping, Valves, Pumps, and Compressors in Ammonia (NH<sub>3</sub>) Service within the SRU
- A. Checks for NH<sub>3</sub> leaks within the operating area shall be made once a shift utilizing audio, olfactory, and visual detection or other leak detection equipment.
  - B. Plant personnel shall take the following actions immediately following the detection of a leak:
    - (1) Isolate the leak within eight hours if possible;
    - (2) Commence repair or replacement of the leaking component within 24 hours if possible; and
    - (3) If isolation or repair is not possible within the prescribed time frames, the appropriate TCEQ Regional Office must be notified and a leak collection and/or containment system will be used until repair or replacement can be made. Proper containment shall include (but is not limited to) adjustment of bolts, fittings, packing glands, and pump/compressor seals as appropriate to contain and/or minimize the leak.



Records shall be maintained of all leaks, repairs, and replacements made. These records shall be maintained for a period of two years at the plant site and shall be made available at the request of TCEQ personnel.

16. Process Piping, Valves, Pumps, and Compressors in Hydrogen Sulfide (H<sub>2</sub>S) Service within the SRU
  - A. Checks for H<sub>2</sub>S leaks within the operating area shall be made once a shift. The method for performing these requirements shall be by checking with electronic personal monitoring equipment, lead acetate strip, other leak detection equipment capable of detecting H<sub>2</sub>S in parts per million (ppm), or verification of functioning ambient air H<sub>2</sub>S monitors.
  - B. Plant personnel shall take the following actions immediately following the detection of a leak:
    - (1) Isolate the leak within eight hours if possible;
    - (2) Commence repair or replacement of the leaking component within 12 hours if possible; and
    - (3) If isolation or repair is not possible within the prescribed time frames, the appropriate TCEQ Regional Office must be notified and a leak collection and/or containment system will be used until repair or replacement can be made. Proper containment shall include (but is not limited to) adjustment of bolts, fittings, packing glands, and pump/compressor seals as appropriate to contain and/or minimize the leak.

Records shall be maintained of all leaks, repairs, and replacements made. These records shall be maintained for a period of two years at the plant site and shall be made available at the request of TCEQ personnel.

17. New Process Piping, Valves, Pumps, and Compressors in Heavy Liquid Service (Fractionator Bottoms, Heavy Coker Gas Oil, and Kerosene Streams)
  - A. Audio, olfactory, and visual checks for leaks within the operating area shall be made once per week.
  - B. Upon detection of a leak, plant personnel shall take the following actions:
    - (1) Isolate the leak within eight hours if possible;
    - (2) First attempt at repair shall be made within five calendar days. Final repair shall be made within 15 calendar days. If the repair or replacement of a leaking component would require a unit shutdown, the repair may be delayed until the next scheduled shutdown.

Date and time of each inspection shall be noted in the operator's log or equivalent. Records shall be maintained at the plant site of all repairs and replacements made due to leaks.

18. The maximum H<sub>2</sub>S concentration in the fuel gas feed to the tail gas incinerator (TGI) shall not exceed 160 ppm. If the fuel gas is other than sweet natural gas, records of H<sub>2</sub>S concentration in the fuel gas shall be maintained for a period of two years and made immediately available to TCEQ personnel upon request.
19. The sulfur dioxide (SO<sub>2</sub>) concentration in the exhaust gas of the TGI shall not exceed 250 ppmv.

20. The ULSD Charge Heater (EPN 590-H-1) and ULSD Reboiler Heater (EPN 590-H-2) shall be equipped and operated with ultra-low NO<sub>x</sub> burners and shall not exceed 0.035 pound NO<sub>x</sub>/MMBtu fired duty or CO concentrations of 100 ppmv at 3% oxygen firing rates greater than 25% of maximum. The ULSD Charge Heater shall not exceed 250 ppmv of CO at turndown rates at or below 25%.

#### **Coke Stockpile Operating Practices**

21. Coke stockpiles shall be sprinkled with water and/or chemicals, as necessary, to control the emission of dust to the minimum level possible under existing conditions.
22. Water sprays shall be installed and operated, as necessary, at all material transfer points, except those which are enclosed, in order to control the emission of dust to the minimum level possible under existing conditions.
23. Road-generated emissions from coke operations shall be controlled, as necessary, in accordance with good housekeeping practice.
24. The undercarriage of all coke trucks leaving the plant site shall be washed with water; and the coke load shall be covered with a canvas or similar type of covering, firmly secured, to reduce particulate emissions.
25. The exposed surface of all coke loaded into railcars shall be sprayed with a chemical sealant or firmly covered prior to transport.
26. The coke handling operation may store up to 12,000 tons of coke on an emergency basis for a maximum of 48 days per calendar year and 1,500 tons of coke in a one-day pile for 317 days per calendar year.

#### **Initial Determination of Compliance**

27. Sampling ports and platform(s) shall be incorporated into the TGI Stack (EPN 554-ME5) according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities." Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Director.
28. The holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the TGI Stack (EPN 554-ME5). Sampling shall be conducted in accordance with appropriate procedures of the TCEQ Sampling Procedures Manual and in accordance with appropriate EPA Reference Methods or equivalent methods. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. (TGI Stack - tested January 3 and January 4, 2007)
  - A. The TCEQ Corpus Christi Regional Office shall be contacted as soon as testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting. The notice shall include:
    - (1) Date for pretest meeting.
    - (2) Date sampling will occur.
    - (3) Name of firm conducting sampling.

- (4) Type of sampling equipment to be used.
- (5) Method or procedure to be used in sampling.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports. A written proposed description of any deviation from sampling procedures specified in permit conditions or the TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director shall approve or disapprove of any deviation from specified sampling procedures.

Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Air, Air Permits Division. Test waivers and alternate/equivalent procedure proposals for NSPS testing which must have the EPA approval shall be submitted to the TCEQ Air Permits Division.

- B. Air contaminants emitted from the TGI Stack (EPN 554-ME5) to be tested for include (but are not limited to) carbon monoxide, H<sub>2</sub>S, NO<sub>x</sub>, and SO<sub>2</sub>. Testing shall be used to demonstrate compliance with Special Condition Nos. 19, 32, and 34.
  - C. Sampling shall occur no later than 180 days after initial start-up of the new Train A burner with the oxygen (O<sub>2</sub>) injection facilities and at such other times as may be required by the Executive Director of the TCEQ. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires the EPA approval, and requests shall be submitted to the TCEQ Air Permits Division.
  - D. The plant shall operate at maximum production rates during stack emission testing. Primary operating parameters that enable determination of production rates shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If the plant is unable to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher production rates are achieved.
  - E. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ Sampling Procedures Manual. The final sampling report shall be distributed as follows within 60 days after sampling is completed:
    - One copy to the TCEQ Corpus Christi Regional Office.
    - One copy to the EPA New Source Review Section, Dallas.
  - F. Sampling shall be performed to determine the ranges of SRU operation which comply with the ERs stated on the attached table entitled "Emission Sources Maximum Allowable Emission Rates." The SO<sub>2</sub> continuous emission monitoring system (CEMS) will be tested by appropriate methods to certify accuracy and then used to demonstrate continued compliance.
29. The holder of this permit shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the Coker Heater (EPN 521-H-1), the MDH Charge Heater (EPN 527 H1), the MDH Reboiler Heater (EPN 527-H<sub>2</sub>), the ULSD Charge Heater (EPN 590-H-1), and the ULSD Reboiler Heater (EPN 590-H-2). The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. (Coker - tested January 14, 1998, MDH - tested January 15 and January 16, 1998 [SOR], MDH - tested November 18 and November 20, 2003, [EOR], SRU tested January 19, 1998, ULSD – tested February 23, 2011 and

April 1, 2011). The Coker Heater (EPN 521-H1) shall be retested within 180 days of the removal of caowool from the heater air inlets. **(4/15)**

- A. The appropriate TCEQ Regional Office in the region where the source is located shall be contacted as soon as testing is scheduled, but not less than 45 days prior to sampling to schedule a pretest meeting. The notice shall include:
- (1) Date for pretest meeting.
  - (2) Date sampling will occur.
  - (3) Name of firm conducting sampling.
  - (4) Type of sampling equipment to be used.
  - (5) Method or procedure to be used in sampling.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.

A written proposed description of any deviation from sampling procedures specified in permit conditions or the TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director shall approve or disapprove of any deviation from specified sampling procedures.

Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Office of Air, Air Permits Division in Austin. Test waivers and alternate/equivalent procedure proposals for NSPS testing which must have the EPA approval shall be submitted to the TCEQ Regional Office.

- B. Air contaminants emitted from the coker heater and MDH Heaters to be tested for include (but are not limited to) NO<sub>x</sub> and CO.
- Air contaminants emitted from the ULSD Charge Heater and ULSD Reboiler Heater to be tested for include (but are not limited to) NO<sub>x</sub> and CO.
- C. Sampling of the ULSD Reboiler Heater shall occur within 180 days of initial start-up and achievement of maximum ULSD process unit throughput and at such other times as may be required by the Executive Director of the TCEQ for the sources referenced in this condition. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires the EPA approval, and requests shall be submitted to the TCEQ Office of Air, Air Permits Division in Austin.
- D. Sampling of the ULSD Charge Heater shall occur within 90 days of initial startup at a turndown rate below 25% of the maximum firing rate to establish emission rates. An additional stack test must be performed within 180 days after the Charge Heater firing rate exceeds a turndown rate of 25% to demonstrate compliance with emission rate limits at maximum ULSD process unit throughput. Additional sampling shall also occur at such times as may be required by the Executive Director of the TCEQ for the sources referenced in this condition. Additional time to comply with the applicable requirements of 40 CFR Part 60 and 40 CFR Part 61 requires the EPA approval, and requests shall be submitted to the TCEQ Office of Air, Air Permits Division in Austin.

- E. The plant shall operate at maximum production rates during stack emission testing. Primary operating parameters that enable determination of production rate shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. If the plant is unable to operate at maximum rates during testing, then future production rates may be limited to the rates established during testing. Additional stack testing may be required when higher production rates are achieved.
- F. Copies of the final sampling report shall be forwarded to the TCEQ within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ Sampling Procedures Manual. The report shall be distributed to the appropriate TCEQ Regional Office.

### **Continuous Demonstration of Compliance**

- 30. The holder of this permit shall install, calibrate, maintain, and operate a CEMS to measure and record the in-stack concentration of O<sub>2</sub> and SO<sub>2</sub> from the TGI Exhaust Stack (EPN 554-ME5).
  - A. Each CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements, data analysis, and reporting requirements specified in Performance Specification No. 2 for SO<sub>2</sub> and No. 3 for O<sub>2</sub>, 40 CFR Part 60, Appendix B. The performance specification tests shall be conducted prior to or during the sampling required by Special Condition No. 28, and written copies of the results shall be submitted within 60 days of test completion to the TCEQ Corpus Christi Regional Office.
  - B. Each system shall be automatically zeroed and spanned daily and corrective action taken when the 24-hour span drift exceeds two times the amount specified in 40 CFR Part 60, Appendix B. The CEMS calibration gas cylinder(s) shall be checked for the expiration date at least once a quarter. Records shall be kept at the plant site for two years and be made available for review by TCEQ personnel.
  - C. The monitoring data shall be reduced to hourly average concentrations at least once every day using a minimum of four equally-spaced data points from each one-hour period. At least 23 hourly averages shall be generated per day. The individual average concentrations shall be reduced to units of the permit allowable emission rates (ER) in parts per million by volume, dry (ppmvd) and pounds per hour (lbs/hr) at least once every day.
  - D. All cylinder gas audit (CGA) exceedances of 15 percent accuracy and any CEMS downtime not corrected within 24 hours shall be reported to the TCEQ Regional Director, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the TCEQ Regional Director.
- 31. The tailgas incinerator (TGI) firebox exit temperature and oxygen concentration shall be continuously monitored and recorded. The temperature measurement device shall reduce the temperature readings to an averaging period of 6 minutes or less and record it at that frequency. The temperature monitor shall be installed, calibrated or replaced at least annually, and maintained according to the manufacturer's specifications. The device shall have an accuracy of the greater of  $\pm 2$  percent of the temperature being measured expressed in degrees Celsius or  $\pm 2.5^{\circ}\text{C}$ .

The tailgas incinerator exhaust stack flow rate shall be calculated using the measured waste gas flow, the measured fuel gas flow and the measured excess oxygen. The calculated flow shall be recorded.

Quality-assured (or valid) data for the thermocouple must be generated when the tail gas incinerator is operating. Loss of valid data due to periods of monitor break down, out of control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes) that the tailgas incinerator operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded.

The TGI shall be operated with not less than the in-stack hourly oxygen concentration maintained during the last stack test that successfully demonstrates compliance with the MAERT performed in accordance with Special Condition No.28. The firebox exit six minute average temperature shall be maintained above the hourly average temperature maintained during the last stack test that successfully demonstrates compliance with the MAERT performed in accordance with Special Condition No. 28. The TGI firebox exit six-minute average temperature shall be maintained at not less than 1,350°F until such a time that a stack test is performed that successfully demonstrates compliance with the MAERT.

32. The tail gas incinerator shall maintain the H<sub>2</sub>S concentration in the exhaust gas less than 10 ppmv on a dry basis, corrected to 3 percent O<sub>2</sub>, or achieve H<sub>2</sub>S destruction efficiency greater than 99.9 percent.
33. If the fuel burned in the facilities in this permit is other than pipeline-quality, sweet natural gas, the holder of this permit shall notify the TCEQ Corpus Christi Regional Office and install, calibrate, maintain, and operate a CEMS to measure and record the H<sub>2</sub>S concentration of the refinery fuel gas burned in these permitted facilities.
  - A. The CEMS shall meet the design and performance specifications, pass the field tests, meet the installation requirements, data analysis, and reporting requirements specified in the Performance Specification No. 7 for H<sub>2</sub>S, 40 CFR Part 60, Appendix B.
  - B. The system shall be automatically zeroed and spanned daily and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in 40 CFR Part 60, Appendix B.
  - C. For heaters and boilers, compliance with furnace SO<sub>2</sub> limits will be ensured through compliance with 40 CFR § 60.104 which sets fuel gas H<sub>2</sub>S concentration limits and 40 CFR § 60.105(a)(4) which outlines H<sub>2</sub>S monitoring requirements
  - D. All CGA exceedances of 15 percent accuracy and any CEMS downtime not corrected within 24 hours shall be reported to the TCEQ Regional Director, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the TCEQ Regional Director.
34. The minimum sulfur recovery efficiency for these permitted units (taken as a whole) shall be 99.8 percent. The sulfur recovery efficiency shall be determined by calculation as follows:

$$\text{Efficiency} = \frac{(\text{S recovered}) * (100)}{(\text{S recovered}) + (\text{S incinerator})}$$

Where: Efficiency = sulfur recovery efficiency, percent  
 S recovered = (elemental S in pit), lbs/hr  
 S incinerator = sulfur in incinerator stack, lbs/hr

The average sulfur emission reduction efficiency (sulfur recovery efficiency) shall be demonstrated for each 24-hour period by a mass balance calculation using data obtained from the incinerator stack SO<sub>2</sub> monitor, sulfur production records, and other process flow data.

Records and copies of the compliance calculations shall be maintained on-site for a period of two years and made immediately available to TCEQ personnel upon request.

35. The total sulfur recovered from SRUs 1 and 2 is limited to 125 LTPD using air and 200 LTPD using O<sub>2</sub> injection. Daily sulfur production records shall be maintained on site for a period of two years and made immediately available to TCEQ personnel upon request. Records shall indicate if O<sub>2</sub> injection is being used.
36. The permit holder shall install, calibrate, and maintain a continuous emission monitoring system (CEMS) to measure and record the hourly average in-stack concentration and emission rate of NO<sub>x</sub> from the Coker Heater (EPN 521-H1), by August 31, 2016. The NO<sub>x</sub> predictive emission monitor using exhaust O<sub>2</sub>, fuel heat content and firing rate and temperature shall be maintained until it is replaced by the CEMS.
  - A. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in Title 40 Code of Federal Regulation Part 60 (40 CFR Part 60), Appendix B Performance Specification 2 for NO<sub>x</sub> and Performance Specification 3 for O<sub>2</sub>.
  - B. The permit holder shall assure that the CEMS meets the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. Relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, ' 5.2.3 and any CEMS downtime shall be reported to the appropriate TCEQ Regional Manager semiannually, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Manager.
  - C. The monitoring data shall be reduced to hourly average concentrations at least once every day, using a minimum of four equally-spaced data points from each one-hour period. The individual average concentrations shall be reduced to a NO<sub>x</sub> pound per hour emission rate at least once every week using 40 CFR Part 60, Appendix A, Method 19 and the hourly firing rate of the heater. The firing rates shall be determined by the fuel flow to the heater monitored every minute and the higher heating value of the fuel determined by grab samples at least daily, with higher of the two measured heating values used for the hours between the measurement hours. The hourly emission data shall be used to determine the 12 month rolling NO<sub>x</sub> emission rate each month.
  - D. All monitoring data and quality-assurance data shall be maintained by the source. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit.
  - E. The appropriate TCEQ Regional Office shall be notified at least 30 days prior to the required RATA in order to provide them the opportunity to observe the testing.
  - F. Quality-assured (or valid) data must be generated when the coker heater is operating except during the performance of a daily zero and span check. Loss of valid data due to periods of monitor break down, out-of-control operation (producing inaccurate data), repair, maintenance, or calibration may be exempted provided it does not exceed 5 percent of the time (in minutes)

that the coker heater is operated over the previous rolling 12-month period. The measurements missed shall be estimated using engineering judgment and the methods used recorded. Options to increase system reliability to an acceptable value, including a redundant CEMS, may be required by the TCEQ Regional Manager. **(4/15)**

#### **Operational Conditions During SRU or Tail Gas Cleanup Unit (TRCU) Downtime**

37. In the event of any unscheduled SCOT (TGCU) downtime, the permit holder shall immediately begin implementation of necessary responses to ensure minimization of emissions during the downtime if the downtime is expected to last significantly longer than the time it will take to implement the appropriate response. As soon as possible after the event causing the SCOT downtime, the permit holder will obtain approval from the TCEQ Regional Office with concurrence from the TCEQ Office of Air, Air Permits Division, for the planned response.

In the event that unscheduled SCOT downtime exceeds six days during any three year period, starting from the date of this permit amendment, the permit holder shall reduce acid gas production by 25 percent until the SCOT re-establishes compliance with the permit allowable.

For all SCOT downtime events, the permit holder shall submit a report to the TCEQ Regional Office. The report shall include (but not be limited to) a description of what caused the event, the responses taken, the timing of these responses, the total time between the beginning and the end of the event, the total pounds of SO<sub>2</sub> emissions during the time of excessive emission, the sulfur load at the time of the event, and the sulfur load after the minimization actions were taken. If the six days of SCOT downtime occurs during a three year period as described above, a report describing the permit holder's plans to alleviate the problem and a schedule for implementing the plan shall be submitted to the TCEQ Office of Air, Air Permits Division, within six months.

#### **Recordkeeping Requirements**

38. The following monitoring data shall be maintained by the permit holder at the plant site and shall be made immediately available to the EPA or TCEQ personnel upon request or any local air pollution control program having jurisdiction:
- A. Average hourly measured SO<sub>2</sub> concentration (ppmvd) from the TAI Stack (EPN 554 ME5).
  - B. Keep all records of the initial performance test. After the initial determination of compliance, the holder of this permit shall maintain a raw data file of all CEMS measurements, including CEMS performance testing measurements, and all CEMS calibration checks and adjustments and maintenance performed on these systems. These data shall be maintained in a permanent form suitable for inspection at the plant site. The data from the CEMS will be used to determine compliance with permit conditions.
39. The following information shall be made and maintained at the plant site. The following records shall be submitted to the TCEQ Corpus Christi Regional Office on a semiannual basis:

The holder of this permit shall comply with the reporting and recordkeeping requirements of 40 CFR § 60.7 for each emission unit which is required to be continuously monitored. Each report shall contain the hours of operation of the facility, a report summary of the periods of noncomplying emissions, and each CEMS downtime by cause. For reporting purposes, noncomplying emissions are defined as follows:



Each one-hour period of operation (except during start-up or shutdown), during which the average emission of SO<sub>2</sub>, as measured and recorded by each CEMS, exceeds the emission limit specified in Special Condition No. 19.

40. The holder of this permit shall maintain records of any Claus Unit, SCOT, and incinerator downtime by cause. The records shall indicate the date, time, and duration of any downtime and subsequent acid gas flaring. Compliance with this condition does not relieve the obligation of the permit holder to report upsets under 30 TAC Chapter 101. All records shall be made available upon request to the TCEQ representatives or to those of any local air pollution control program having jurisdiction.
41. The holder of this permit shall maintain records of the firing rate, fuel flow rate, and Btu value of the fuel for the Delayed Coker Heater (EPN 521-H1), MDH Charge Heater (EPN 527-H1) and MDH Reboiler Heater (EPN 527-H<sub>2</sub>), ULSD Charge Heater (EPN 590 H-1), ULSD Reboiler Heater (EPN 590-H-2). These records shall be maintained for a period of two years and shall be made available to representatives of the TCEQ upon request.
42. Records of the daily throughput for the delayed coking unit, SRU, Gasoline Merox, LPG Merox, ULDS, and MDH unit shall be maintained. These records shall be made available to representatives of the TCEQ upon request and shall be maintained for a period of at least two years.
43. The delayed coker drums shall be depressurized to the refinery's flare gas recovery system until the internal drum pressure is 5 psig or less. The steam vent valve control system shall be configured to ensure the coker steam vents shall not be opened to the atmosphere until the internal pressure of the coke drum is 5 psig or less. Record of internal coke drum pressure shall be maintained.
44. The following sources and/or activities are authorized under a Permit by Rule (PBR) by Title 30 Texas Administrative Code Chapter 106 (30 TAC Chapter 106). These lists are not intended to be all inclusive and can be altered without modifications to this permit.

Authorization	Source or Activity
SE No. 36783	Asphalt loading at Barge Dock 6

45. The permit holder shall investigate the causes of Acid Gas Flaring Incidents, take reasonable steps to correct the conditions that have caused or contributed to the incidents, and minimize the incidents. **(10/18)**
  - A. For this condition, the following terms shall have the following meanings:
    - (1) "Acid Gas" or "AG" shall mean any gas that contains hydrogen sulfide and is generated at a refinery by the generation of an amine scrubber solution.
    - (2) "Acid Gas Flaring" or "AG Flaring" shall mean the combustion of Acid Gas in an AG Flaring Device.
    - (3) "Acid Gas Flaring Device" or "AG Flaring Device" shall mean the Acid Gas Flare (EPN 555-S9), the Sour Water Gas Flare (EPN 552-S10).

- (4) "Acid Gas Flaring Incident" or "AG Flaring Incident" shall mean the continuous or intermittent combustion of Acid Gas from one or more AG Flaring Devices that results in the emission of SO<sub>2</sub> equal to, or in excess of, five-hundred (500) pounds in any twenty-four (24) hour period. Subsequent, contiguous, non-overlapping periods shall be measured from the initial commencement of flaring within the AG Flaring Incident if it is determined such periods result from the same root cause as the initial event.
- (5) "Root Cause" shall mean the primary cause(s) of AG Flaring Incident(s), as determined through the process of investigation.
- (6) "SO<sub>2</sub>" shall mean sulfur dioxide.

- B. The quantity of SO<sub>2</sub> emissions resulting from AG Flaring will be calculated using the following formula, with the result rounded to one decimal point:

$$\text{Tons of SO}_2 = [\text{FR}][\text{TD}][\text{ConcH}_2\text{S}][8.44 \times 10^{-5}]$$

Where:

ER = Emission Rate in pounds of SO<sub>2</sub> per hour

FR = Average Flow Rate to Flaring Devices during Flaring, in standard cubic feet per hour

TD = Total Duration of Flaring in hours

ConcH<sub>2</sub>S = Average Concentration of Hydrogen Sulfide in gas during Flaring (or immediately prior to Flaring if all gas is being flared) expressed as a volume fraction (scf H<sub>2</sub>S/scf gas)

$$8.44 \times 10^{-5} = [\text{lb mole H}_2\text{S}/379 \text{ scf H}_2\text{S}][64 \text{ lbs SO}_2/\text{lb mole H}_2\text{S}][\text{Ton}/2000 \text{ lbs}]$$

$$0.169 = [\text{lb mole H}_2\text{S}/379 \text{ scf H}_2\text{S}][1.0 \text{ lb mole H}_2\text{S}][64 \text{ lb SO}_2/1.0 \text{ mole SO}_2]$$

Standard conditions: 60 degrees F; 14.7 lb<sub>force</sub>/sq.in. absolute.

- C. No later than forty-five (45) days following the end of an Acid Gas Flaring Incident, the permit holder shall create, and immediately make available to the Executive Director upon request, a report that includes the following:
- (1) The date and time that the AG Flaring Incident started and ended;
  - (2) An estimate of the quantity of SO<sub>2</sub> that was emitted and the calculations that were used to determine that quantity;
  - (3) The steps, if any, that the permit holder took to limit the duration and/or quantity of SO<sub>2</sub> emissions associated with the AG Flaring Incident;
  - (4) A detailed analysis that sets forth the Root Cause and all significant contributing causes of that AG Flaring Incident, to the extent determinable; and
  - (5) An analysis of the measures, if any, that are available to reduce the likelihood of a recurrence of the AG Flaring Incident resulting from the same Root Cause or significant contributing causes in the future. Possible design, operation, and maintenance

changes shall be evaluated. If the permit holder concludes corrective action(s) is or are necessary under this condition D, the report shall include a description of the action(s) and, if not already completed, a schedule for its or their implementation, including proposed commencement and completion dates. If the permit holder concludes correction action is not required under this condition D, the report shall explain the basis for that conclusion.

- D. In response to any AG Flaring Incident, the permit holder shall take, as expeditiously as practicable, such interim or long-term corrective actions, consistent with good engineering practice, to minimize the likelihood of a recurrence of the Root Cause and all significant contributing causes of that AG Flaring Incident.
- E. The permit holder shall maintain records of incidents and the resulting actions taken as required by this condition D.
- F. These special conditions do not authorize emissions events, nor do they exempt or substitute for compliance with the requirements of 30 TEX. ADMIN. CODE, Chapter 101, Subchapter F.

Date: October 5, 2018

# Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 8778A and PSDTX408M3

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

## Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
590-H-1	ULSD Charge Heater	CO	4.94	(7)
		NO <sub>x</sub>	2.41	
		PM	0.51	
		PM <sub>10</sub>	0.51	
		PM <sub>2.5</sub>	0.51	
		SO <sub>2</sub>	1.53	
		VOC	0.37	
590-H-2	ULSD Reboiler Heater	CO	4.74	(7)
		NO <sub>x</sub>	2.31	
		PM	0.49	
		PM <sub>10</sub>	0.49	
		PM <sub>2.5</sub>	0.49	
		SO <sub>2</sub>	1.47	
		VOC	0.36	
590-HCAP	ULSD Heater Cap	CO		42.38
		NO <sub>x</sub>		20.67
		PM		4.40
		PM <sub>10</sub>		4.40
		PM <sub>2.5</sub>		4.40
		SO <sub>2</sub>		4.94
		VOC		3.18

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
521-H1	Coker Heater	CO	23.93	101.57
		NO <sub>x</sub>	20.34	86.33
		PM	2.17	9.19
		PM <sub>10</sub>	2.17	9.19
		PM <sub>2.5</sub>	2.17	9.19
		SO <sub>2</sub>	6.55	27.80
		VOC	1.57	6.65
527-H1	MDH Charge Heater	CO	5.10	22.35
		NO <sub>x</sub>	7.43	32.56
		PM	0.46	2.02
		PM <sub>10</sub>	0.46	2.02
		PM <sub>2.5</sub>	0.46	2.02
		SO <sub>2</sub> (6)	1.40	6.12
		VOC	0.33	1.46
527-H <sub>2</sub>	MDH Reboiler Heater	CO	6.78	29.68
		NO <sub>x</sub>	9.87	43.25
		PM	0.61	2.69
		PM <sub>10</sub>	0.61	2.69
		PM <sub>2.5</sub>	0.61	2.69
		SO <sub>2</sub>	5.71	25.03
		VOC	0.44	1.94

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
552-S10	Sour Water Stripper Flare (8)	VOC	<0.01	0.01
		H <sub>2</sub> S	0.01	0.01
		SO <sub>2</sub>	0.01	0.04
		CO	0.08	0.37
		NO <sub>x</sub>	0.04	0.18
554-ME5	SRU Tail Gas Incinerator	CO	3.92	14.43
		COS	1.85	4.40
		CS <sub>2</sub>	0.32	0.76
		H <sub>2</sub> S	0.48	1.13
		NO <sub>x</sub>	3.50	9.20
		PM	0.19	0.49
		PM <sub>10</sub>	0.19	0.49
		PM <sub>2.5</sub>	0.19	0.49
		SO <sub>2</sub>	22.39	53.37
		VOC	2.30	5.52
555-S9	Acid Gas Flare (8)	VOC	<0.01	0.01
		H <sub>2</sub> S	0.01	0.01
		SO <sub>2</sub>	0.01	0.04
		CO	0.08	0.37
		NO <sub>x</sub>	0.04	0.18

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
574-ME-1	Process Emergency Flare (8)	VOC	<0.01	0.01
		CO	0.10	0.46
		NO <sub>x</sub>	0.01	0.06
		SO <sub>2</sub>	<0.01	<0.01
		H <sub>2</sub> S	<0.01	<0.01
561-B3	No. 3 Boiler	CO	8.14	35.67
		NO <sub>x</sub>	11.87	51.98
		PM	0.74	3.23
		PM <sub>10</sub>	0.74	3.23
		PM <sub>2.5</sub>	0.74	3.23
		SO <sub>2</sub>	2.23	9.76
		VOC	0.53	2.34
517-S14	MDHU Process Fugitives (5)	H <sub>2</sub> S	0.29	1.25
		NH <sub>3</sub>	0.01	0.04
		VOC	5.63	24.68
521-FCOKE	Coke Storage and Handling Facilities (5)	PM	3.99	17.48
		PM <sub>10</sub>	3.99	17.48
553-FUG	SRU Process Fugitives (5)	VOC	3.73	16.33
		H <sub>2</sub> S	0.33	1.43
		NH <sub>3</sub>	0.30	0.85
521-FUG	Coker Unit Fugitives (5)	VOC	35.88	157.34
		H <sub>2</sub> S	0.80	3.60
525/526FUG	WP Merox Fugitives (5)	VOC	8.51	37.27
		H <sub>2</sub> S	0.03	0.12

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
FUG-FGS	Flare Gas Recovery Fugitives (5)	VOC	0.08	0.36
		CO	<0.01	<0.01
		H <sub>2</sub> S	<0.01	0.03
590-U590	ULSD Fugitives (5)	VOC	4.58	20.08
		H <sub>2</sub> S	0.18	0.79
		NH <sub>3</sub>	0.01	0.03
API-1	CPI Separator	VOC	8.03	35.16
590-CT1	ULSD Cooling Tower (5)	VOC	0.13	0.55
		PM	0.34	1.48
		PM <sub>10</sub>	0.34	1.48
		PM <sub>2.5</sub>	0.34	1.48
CT1	Cooling Tower 1 (5)	VOC	1.26	5.52
		PM	3.38	14.79
521VentA	Coker A Drum 8" & 12" Steam Vents (9)	VOC	242.13	
		Benzene	1.28	
		PM	35.72	
		PM <sub>10</sub>	35.72	
		PM <sub>2.5</sub>	35.72	
521VentB	Coker B Drum 8" & 12" Steam Vents (9)	VOC	242.13	
		Benzene	1.28	
		PM	35.72	
		PM <sub>10</sub>	35.72	
		PM <sub>2.5</sub>	35.72	



Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
521VCAP	Annual Cap for Coker Drums A and B (10)	VOC		36.44
		Benzene		0.30
		PM		8.03
		PM <sub>10</sub>		8.03
		PM <sub>2.5</sub>		8.03

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name Permit Numbers 8778A and PSDTX408M3.
- (3)
  - CO - carbon monoxide
  - NO<sub>x</sub> - total oxides of nitrogen
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - SO<sub>2</sub> - sulfur dioxide
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - H<sub>2</sub>S - hydrogen sulfide
  - COS - carbonyl sulfide
  - CS<sub>2</sub> - carbon disulfide
  - NH<sub>3</sub> - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (6) Includes 3.86 pounds an hour of SO<sub>2</sub> from burning the MEROX Unit vent gas. Merox vent gas contains 0.0056 mole sulfur per mole of vent gas.
- (7) The total annual emissions rate for the ULSD Charge Heater and the ULSD Reboiler Heater are limited to the annual cap indicated under EPN 590-HCAP.
- (8) Pilot emissions only.
- (9) Coker Drums A and B do not vent simultaneously.
- (10) Annual Emissions rate (TPY) is for Drums A and B combined.

Date: November 26, 2018